



# Individual Project (PAN)

Database Management Systems – CS4513

Fall – 2017

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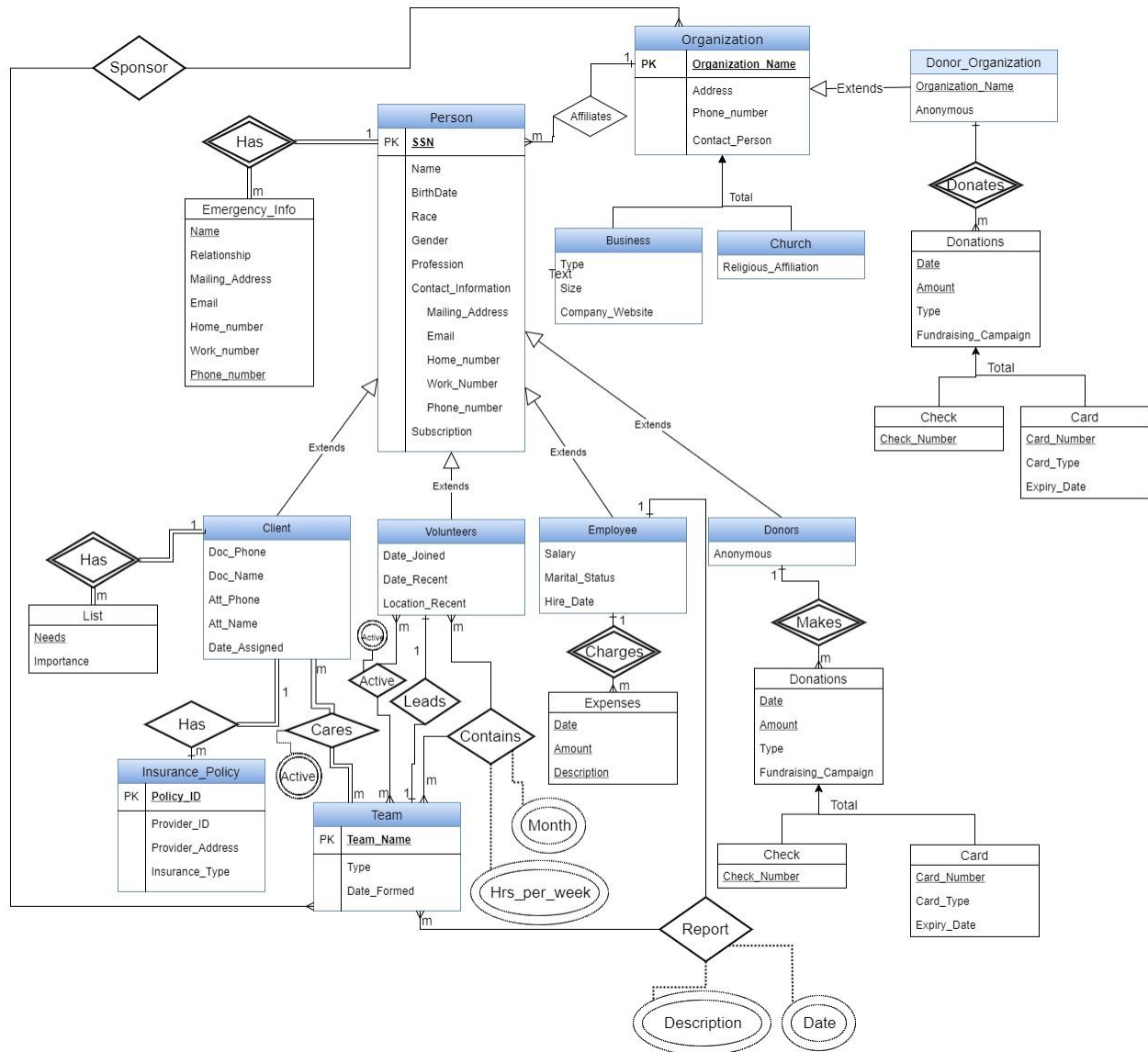
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# 1. Task 1:

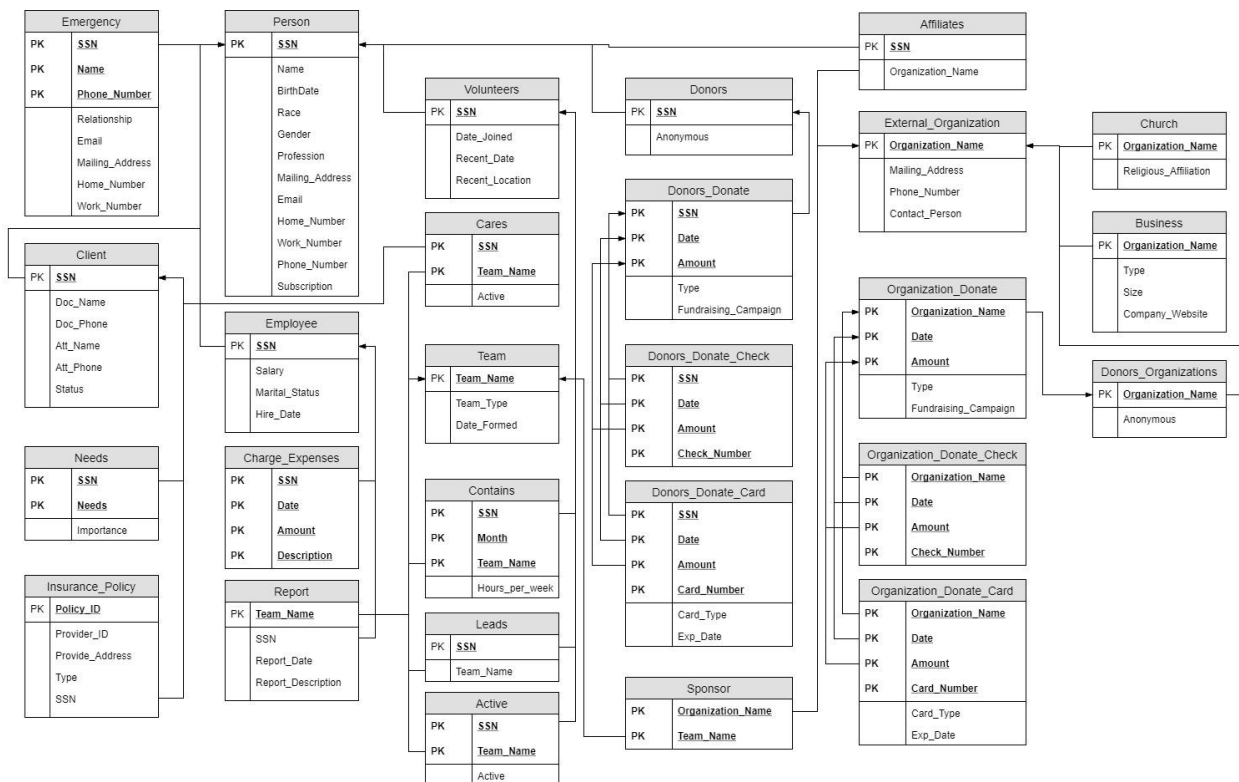
## 1.1. ER Diagram



## 1.2. Relational Database

1. Person (SSN, Name, Birthdate, Race, Gender, Profession, Mailing\_Address, Email, Home\_Number, Work\_Number, Phone\_Number, Subscription).
2. Emergency (SSN, Name, Relationship, Email, Mailing\_Address, Home\_Number, Work\_Number, Phone\_Number).
3. Client (SSN, Doc\_Name, Doc\_Phone, Att\_Name, Att\_Phone, Date\_Assigned).
4. Needs (SSN, Needs, Importance).
5. Insurance\_Policy (Policy\_ID, Provider\_ID, Provider\_Address, Insurance\_Type, SSN).
6. Team (Team\_Name, Team\_Type, Date\_Formed).
7. Cares (SSN, Team\_Name, Active).
8. Volunteers (SSN, Date\_Joined, Recent\_Date, Location\_Recent).
9. Serves (SSN, Team\_Name, Month\_Record, Hours\_week).
10. Leads (SSN, Team\_Name).
11. Employee (SSN, Salary, Marital\_Status, Hire\_Date).
12. Expenses (SSN, Date, Amount, Description).
13. Report (SSN, Team\_Name, Date, Report\_Description).
14. Donors (SSN, Anonymous).
15. Donors\_Donate (SSN, Date, Amount, Type, Fundraising\_Campaign).
16. Donors\_Donate\_Check (SSN, Date, Amount, Check\_Number).
17. Donors\_Donate\_Card (SSN, Date, Amount, Card\_Number, Card\_Type, Expiry\_Date).
18. Affiliates (SSN, Organization\_Name).
19. External\_Organization (Organization\_Name, Mailing\_Address, Phone\_Number, Contact\_Person).
20. Church (Organization\_Name, Religious\_Affiliation).
21. Business (Organization\_Name, Type, Size, Company\_Website).
22. Sponsor (Organization\_Name, Team\_Name).
23. Organization\_Donates (Organization\_Name, Date, Amount, Type, Fundraising\_Campaign).
24. Organization\_Donates\_Check (Organization\_Name, Date, Amount, Check\_Number).
25. Organization\_Donates\_Card (Organization\_Name, Date, Amount, Card\_Number, Card\_Type, Expiry\_Date).
26. Organization\_Donors (Organization\_Name, Anonymous).
27. Active (Team\_Name, SSN, Active)

### 1.3. Relational Database Schema



## 2. Task 2:

### 2.1. Data Dictionary

#### 2.1.1. Person

Column Name	Type	Size(bytes)	
SSN	Int	4	Not Null, Primary Key
Person_Name	Varchar (40)	40	
Birthdate	Date	7	
Race	Varchar (40)	40	
Gender	Varchar (20)	20	
Profession	Varchar (20)	20	
Mailing_Address	Varchar (100)	100	
Email	Varchar (30)	30	
Home_Number	Number	22	
Work_Number	Number	22	
Phone_Number	Number	22	
Subscription	Varchar (5)	5	

Each row: 332 bytes

#### 2.1.2. Emergency

Column Name	Type	Size(bytes)	
SSN	Int	4	Not Null, Primary Key, Foreign Key to Person
Emergency_Name	Varchar (40)	40	
Phone_Number	Number	22	Not Null, Primary Key
Relationship	Varchar (40)	40	
Email	Varchar (30)	30	
Mailing_Address	Varchar (100)	100	
Home_Number	Number	22	
Work_Number	Number	22	

Each Row: 280 bytes

#### 2.1.3. Client

Column Name	Type	Size(bytes)	
SSN	Int	4	Foreign Key from Person, Not Null, Primary Key
Doc_Name	Varchar (40)	40	
Doc_Phone	Number	22	
Att_Name	Varchar (40)	40	
Att_Phone	Number	22	
Date Assigned	Date	7	

Each Row: 135 bytes

#### 2.1.4. Needs

Column Name	Type	Size(bytes)	
SSN	Int	4	Foreign Key from Client, Not Null, Primary Key
Needs	Varchar (20)	20	Not Null, Primary Key
Importance	Number	22	

Each row: 48 bytes

#### 2.1.5. Insurance\_Policy

Column Name	Type	Size(bytes)	
Policy_ID	Varchar (20)	20	Not Null, Primary Key
Provider_ID	Varchar (20)	20	
Provider_Address	Varchar (100)	100	
Type	Varchar (20)	20	
SSN	Int	4	

Each row: 164 bytes

#### 2.1.6. Team

Column Name	Type	Size(bytes)	
Team_Name	Varchar (40)	40	Not Null, Primary Key
Team_Type	Varchar (40)	40	
Date_Formed	Date	7	

Each row: 87 bytes

#### 2.1.7. Cares

Column Name	Type	Size(bytes)	
SSN	Int	4	Not Null, Primary Key, Foreign Key from Client
Team_Name	Varchar (20)	20	Not Null, Primary Key, Foreign Key from Team
Status	Varchar (10)	10	

Each row: 34 bytes

#### 2.1.8. Volunteers

Column Name	Type	Size(bytes)	
SSN	Int	4	Not Null, Primary Key, Foreign Key from Person
Date_Joined	Date	7	
Recent_date	Date	7	
Recent_location	Varchar (20)	20	

Each row: 38 bytes

### 2.1.9. Serves

Column Name	Type	Size(bytes)	
SSN	Int	4	Not Null, Primary Key, Foreign Key from Volunteers
Team_Name	Varchar (40)	40	Not Null, Primary Key, Foreign Key from Team
Month_worked	Date	7	Not Null, Primary Key
Hours_per_week	Real	4	

Each row: 55 bytes

### 2.1.10. Leads

Column Name	Type	Size(bytes)	
SSN	Int	4	Not Null, Primary Key, Foreign Key from Volunteers
Team_Name	Varchar (40)	40	Foreign Key from Team

Each row: 44 bytes

### 2.1.11. Employee

Column Name	Type	Size(bytes)	
SSN	Int	4	Not Null, Primary Key, Foreign Key from Person
Salary	Int	4	
Marital_Status	Varchar (20)	20	
Hire_Date	Date	7	

Each row: 35 bytes

### 2.1.12. Expenses

Column Name	Type	Size(bytes)	
SSN	Int	4	Not Null, Primary Key, Foreign Key from Employee
Date_of_expense	Date	7	Not Null, Primary Key
Amount	Int	4	Not Null, Primary Key
Description	Varchar (100)	100	Not Null, Primary Key

Each row: 115 bytes

### 2.1.13. Reporting

Column Name	Type	Size(bytes)	
Team_Name	Varchar (40)	40	Not Null, Primary Key, Foreign Key from Employee
SSN	Int	4	Foreign Key from Employee
Date	Date	7	
Description	Varchar (100)	100	

Each row: 151 bytes



#### 2.1.14. Donors

Column Name	Type	Size(bytes)	
SSN	Int	4	Not Null, Primary Key, Foreign Key from Person
Anonymous	Varchar (10)	10	

Each row: 14 bytes

#### 2.1.15. Donors\_Donate

Column Name	Type	Size(bytes)	
SSN	Int	4	Not Null, Primary Key, Foreign Key from Donors
Date	Date	7	Not Null, Primary Key
Amount	Int	4	Not Null, Primary Key
Type	Varchar (20)	20	
Fundraising_Campaign	Varchar (30)	30	

Each row: 65 bytes

#### 2.1.16. Donors\_Donate\_Check

Column Name	Type	Size(bytes)	
SSN	Int	4	Not Null, Primary Key, Foreign Key from Donors
Date	Date	7	Not Null, Primary Key
Amount	Int	4	Not Null, Primary Key
Check_Number	Varchar (20)	20	Not Null, Primary Key

Each row: 35 bytes

#### 2.1.17. Donors\_Donate\_Card

Column Name	Type	Size(bytes)	
SSN	Int	4	Not Null, Primary Key, Foreign Key from Donors
Date	Date	7	Not Null, Primary Key
Amount	Int	4	Not Null, Primary Key
Card_Number	Int	4	Not Null, Primary Key
Card_Type	Varchar (30)	30	
Expiry_Date	Date	7	

Each row: 56 bytes

#### 2.1.18. Affiliates

Column Name	Type	Size(bytes)	
SSN	Int	4	Not Null, Primary Key, Foreign Key from Person
Organization_Name	Varchar (40)	40	Foreign Key from External_Organization

Each row: 44 bytes

#### 2.1.19. External\_Organization

Column Name	Type	Size(bytes)	
Organization_Name	Varchar (40)	40	Not Null, Primary Key
Mailing_Address	Varchar (100)	100	
Phone_Number	Number	22	
Contact_Person	Varchar (40)	40	

Each row: 202 bytes

#### 2.1.20. Church

Column Name	Type	Size(bytes)	
Organization_Name	Varchar (40)	40	Not Null, Primary Key Foreign Key from External_Organization
Religious_Affiliation	Varchar (20)	20	

Each row: 60 bytes

#### 2.1.21. Business

Column Name	Type	Size(bytes)	
Organization_Name	Varchar (40)	40	Not Null, Primary Key Foreign Key from External_Organization
Business_Type	Varchar (20)	20	
Business_Size	Varchar (20)	20	
Company_Website	Varchar (30)	30	

Each row: 110 bytes

#### 2.1.22. Sponsor

Column Name	Type	Size(bytes)	
Organization_Name	Varchar (40)	40	Not Null, Primary Key Foreign Key from External_Organization
Team_Name	Varchar (40)	40	Not Null, Primary Key, Foreign Key from Team

Each row: 80 bytes

#### 2.1.23. Organization\_Donate

Column Name	Type	Size(bytes)	
Organization_Name	Varchar (40)	40	Not Null, Primary Key Foreign Key from External_Organization
Date	Date	7	Not Null, Primary Key
Amount	Int	4	Not Null, Primary Key
Type	Varchar (20)	20	
Fundraising_Campaign	Varchar (30)	30	

Each row: 101 bytes

#### 2.1.24. Organization \_Donate\_ Check

Column Name	Type	Size(bytes)	
Organization_Name	Varchar (40)	40	Not Null, Primary Key Foreign Key from External_Organization
Date	Date	7	Not Null, Primary Key
Amount	Int	4	Not Null, Primary Key
Check_Number	Varchar (20)	20	Not Null, Primary Key

Each row: 71 bytes

#### 2.1.25. Organization \_Donate\_ Card

Column Name	Type	Size(bytes)	
Organization_Name	Varchar (40)	40	Not Null, Primary Key Foreign Key from External_Organization
Date	Date	7	Not Null, Primary Key
Amount	Int	4	Not Null, Primary Key
Card_Number	Int	4	Not Null, Primary Key
Card_Type	Varchar (30)	30	
Expiry_Date	Date	7	

Each row: 92 bytes

#### 2.1.26. Organization\_Donor

Column Name	Type	Size(bytes)	
Organization_Name	Varchar (40)	40	Not Null, Primary Key Foreign Key from External_Organization
Anonymous	Varchar (10)	10	

Each row: 50 bytes

#### 2.1.27. Active

Column Name	Type	Size(bytes)	
SSN	Int	4	Not Null, Primary Key, Foreign Key from Volunteers
Team_Name	Varchar (40)	40	Foreign Key from Team
Active	Varchar (10)	10	

Each Row: 54 bytes

### 3. Task 3

#### 3.1 Discussion of Storage Structures for Tables

Table Name	Query Type	Search Key	Frequency	File Organization
Person	2. Insert		1/Week	Dynamic Hashing with key=SSN
	3. Insert		2/Month	
	5. Insert		1/Year	
	8. Insert		1/Day	
	13. Random	SSN	1/Week	
	14. Random	SSN	1/Week	
	15. Random	SSN	1/Month	
Active	3. Insert		2/Month	Heap File
Affiliates				Heap File
Business				Heap File
Church				Heap File
Cares	2. Insert		1/Week	Dynamic Hashing with key=Team_Name
	12. Random	Team_Name	4/Year	
	13. Random	Team_Name	1/Week	
Client	2. Insert		1/Week	Dynamic Hashing with key=SSN
	10. Random	SSN	1/Week	
	13. Random	SSN	1/Week	
	17. Delete	SSN	4/Year	
Donor	8. Insert		1/Day	Dynamic Hashing with key=SSN
	14. Random		1/Week	
Donor_Donate	8. Insert		1/Day	Dynamic Hashing with key=SSN
	14. Random	SSN	1/Week	
Donor_Donate_Card	8. Insert		1/Day	Heap File
Donor_Donate_Check	8. Insert		1/Day	Heap File
Emergency	2. Insert		1/Week	Heap File
	3. Insert		1/Month	
	5. Insert		1/Year	
	8. Insert		1/Day	
Table Name	Query Type	Search Key	Frequency	File Organization

Employee	5. Insert		1/Year	Dynamic Hashing with key=SSN
	6. Random	SSN	1/Day	
	14. Random	SSN	1/Week	
	16. Random	SSN	1/Year	
Expenses	6. Insert		1/Day	Index Sequential File on Date
	11. Range	Date	1/Month	
External _Organization	7. Insert		2/Week	Heap File
	9. Insert		1/Day	
Insurance_Policy	7. Insert		1/Week	Dynamic Hashing with key=Insurance_Type
	17. Random	Insurance_Type	4/Year	
Leads	3. Insert		2/Month	Heap File
Needs	2. Insert		1/Week	Dynamic Hashing with key=Needs
	17. Random	Needs	4/Year	
	17.Random	SSN	4/Year	
Organization_Donate	9. Insert		1/Day	Heap File
Organization_Donate_Card	9. Insert		1/Day	Heap File
Organization_Donate_Check	9. Insert		1/Day	Heap File
Organization_Donor	9. Insert		1/Day	Heap File
Reporting	5. Insert		1/Year	Dynamic Hashing with key=SSN
	16. Random	SSN	1/Year	
Serves	3. Insert		2/Month	Index Sequential File on Month
	4. Insert		30/Month	
	12. Random	SSN	4/Year	
	15. Range	Month	1/Month	
Sponsor	7. Insert		2/Week	Index Sequential File on Org_Name
	13. Range	Org_Name	1/Week	
Team	1. Insert		1/Month	Dynamic Hashing with key =Team_Name
	13. Random	Team_Name	1/Week	
Volunteer	3. Insert		2/Month	Dynamic Hashing with key =SSN
	15. Random	SSN	1/Month	

### 3.2 Discussion of Alternate Storage Structures

As we earlier discussed about the File Organization structures.

We ended up getting a list of tables that needed to be created using Dynamic Hash Function.

But due to unexpected problems (No required permissions for the Client side) it is not possible to create Tables using Hash functions.

Therefore, as an alternative we had to create tables using B-Tree indexing.

So, for all the tables that were to be created using Dynamic Hashing we will have to create them using B-Trees. And B-Tree indexing is to create indexing on the keys on the Hashing Columns which are primary Keys and already indexed. Since they are already Primary Keys in their respective tables it is not possible to create any more indexes on those tables and the keys are already formatted as indexed in their respective tables.

For all the Indexed Sequential Tables, keys we want to index are already primary Keys and we will not be able to create another index on the same primary keys. Hence creating no further will be possible on those.

## 4. Task 4: SQL and text files showing the creation of tables in Oracle 12c

### 4.1 SQL Code

Create Table Person(

```
SSN int,  
Person_Name varchar(40),  
Birthdate date,  
Race varchar(40),  
Gender varchar(20),  
Profession varchar(20),  
Mailing_Address varchar(100),  
Email varchar(30),  
Home_number number,  
Work_Number number,  
Phone_Number number,  
Subscription varchar(5),  
primary key (SSN)  
);
```

Create Table Emergency(

```
SSN int,  
E_Name varchar(40),  
Relationship varchar(40),  
E_Mailing_Address varchar(100),  
E_Email varchar(30),  
E_Home_number number,  
E_Work_Number number,  
E_Phone_Number number,  
primary key (SSN, E_Phone_Number),  
foreign key (SSN) references Person(SSN) on delete cascade
```

);

Create Table Client(

SSN int,

Doc\_Name varchar(40),

Doc\_Phone number,

Attorney\_Name varchar(40),

Attorney\_Phone number,

date\_assigned date,

primary key (SSN),

foreign key (SSN) references Person(SSN) on delete cascade

);

Create Table Needs(

SSN int,

Needs varchar(20),

Importance int,

primary key (SSN,Needs),

foreign key (SSN) references Client(SSN) on delete cascade

);

Create Table Insurance\_Policy(

Policy\_ID varchar(20),

Provider\_ID varchar(20),

Provider\_Address varchar(100),

Insurance\_Type varchar(20),

SSN int,

foreign key (SSN) references Client(SSN) on delete cascade,

primary key (Policy\_ID)



);

Create Table Team(

Team\_Name varchar(40),

Team\_Type varchar(40),

Date\_Formed date,

primary key (Team\_Name)

);

Create Table Cares(

Team\_Name varchar(40),

SSN int,

Status varchar(10),

primary key (SSN, Team\_Name),

foreign key (SSN) references Client(SSN) on delete cascade,

foreign key (Team\_Name) references Team(Team\_Name) on delete cascade

);

Create Table Volunteers(

SSN int,

Date\_Joined date,

Recent\_Date date,

Recent\_Location varchar(20),

primary key (SSN),

foreign key (SSN) references Person(SSN) on delete cascade

);

Create Table Employee(

SSN int,

```
salary int,  
marital_Status varchar(20),  
Hire_Date date,  
primary key (SSN),  
foreign key (SSN) references Person(SSN) on delete cascade  
);
```

```
Create Table Donors(  
SSN int,  
Anonymous varchar(10),  
primary key (SSN),  
foreign key (SSN) references Person(SSN) on delete cascade  
);
```

```
Create Table Serves(  
SSN int,  
Team_Name varchar(40),  
Month_record date,  
hours_week int,  
primary key (SSN, Team_Name, Month_record),  
foreign key (SSN) references Person(SSN) on delete cascade,  
foreign key (Team_Name) references Team(Team_Name) on delete cascade  
);
```

```
Create Table Leads(  
SSN int,  
Team_Name varchar(40),  
primary key (SSN),  
foreign key (SSN) references Person(SSN) on delete cascade,
```

foreign key (Team\_Name) references Team(Team\_Name) on delete cascade  
);

Create Table Active(

SSN int,  
Team\_Name varchar(40),  
Active varchar(10),  
primary key (SSN),  
foreign key (SSN) references Person(SSN) on delete cascade,  
foreign key (Team\_Name) references Team(Team\_Name) on delete cascade  
);

Create Table Expenses(

SSN int,  
date\_of\_expense date,  
amount int,  
expense\_description varchar(100),  
primary key (SSN, date\_of\_expense, amount, expense\_description),  
foreign key (SSN) references Employee(SSN) on delete cascade  
);

Create Table Reporting(

SSN int,  
Team\_Name varchar(40),  
report\_date date,  
report\_description varchar(100),  
primary key (Team\_Name,SSN),  
foreign key (SSN) references Employee(SSN) on delete cascade,  
foreign key (Team\_Name) references Team(Team\_Name) on delete cascade

);

Create Table Donors\_Donate(

SSN int,

donors\_donate\_date date,

donors\_donate\_amount int,

donors\_donate\_type varchar(20),

donors\_donate\_fcampaign varchar(30),

primary key (SSN,donors\_donate\_date ,donors\_donate\_amount),

foreign key (SSN) references Donors(SSN) on delete cascade

);

Create Table Donors\_Donate\_Check(

SSN int,

donors\_donate\_date date,

donors\_donate\_amount int,

donors\_donate\_checkno varchar(20),

PRIMARY KEY(SSN,donors\_donate\_date, donors\_donate\_amount, donors\_donate\_checkno),

foreign key (SSN,donors\_donate\_date, donors\_donate\_amount) references

Donors\_Donate(SSN,donors\_donate\_date ,donors\_donate\_amount) on delete cascade

);

Create Table Donors\_Donate\_Card(

SSN int,

donors\_donate\_date date,

donors\_donate\_amount int,

donors\_donate\_cardno int,

donors\_donate\_cardtype varchar(30),

donors\_donate\_expirydate date,

```

PRIMARY KEY(SSN, donors_donate_date, donors_donate_amount, donors_donate_cardno),
foreign key (SSN,donors_donate_date, donors_donate_amount) references
Donors_Donate(SSN,donors_donate_date ,donors_donate_amount) on delete cascade
);

```

```

Create table External_Organization(
    Organization_Name varchar(40),
    Mailing_Address varchar(100),
    Phone_number number,
    Contact_Person Varchar(40),
    primary key(Organization_Name)
);

```

```

create table Affiliates(
    SSN int,
    Organization_Name varchar(40),
    primary key(SSN),
    foreign key (SSN) references Person(SSN) on delete cascade,
    foreign key(Organization_Name) references External_Organization(Organization_Name) on delete
    cascade
);

```

```

create table church(
    Organization_Name varchar(40),
    Religious_Affiliation varchar(20),
    primary key(Organization_Name),
    foreign key (Organization_Name) references External_Organization(Organization_Name) on delete
    cascade
);

```

```

create table Business(

```

```

Organization_Name varchar(40),
Business_type varchar(20),
Business_size varchar(20),
Company_Website varchar(30),
primary key(Organization_Name),
foreign key (Organization_Name) references External_Organization(Organization_Name) on delete
cascade
);

```

```

create table sponsor(
    Organization_Name varchar(40),
    Team_Name varchar(40),
    primary key(Organization_Name, Team_Name),
    foreign key (Organization_Name) references External_Organization(Organization_Name) on delete
    cascade,
    foreign key (Team_Name) references Team(Team_Name) on delete cascade
);

```

```

create table Organization_Donor(
    Organization_Name varchar(40),
    Anonymous varchar(10),
    primary key(Organization_Name),
    foreign key (Organization_Name) references External_Organization(Organization_Name) on delete
    cascade
);

```

```

Create Table Organization_Donate(
    Organization_Name varchar(40),
    Org_donate_date date,
    Org_donate_amount int,

```

```

Org_donate_type varchar(20),
Org_donate_fcampaign varchar(30),
primary key (Organization_Name,Org_donate_date ,Org_donate_amount),
foreign key (Organization_Name) references Organization_Donor(Organization_Name) on delete
cascade
);

```

```

Create Table Organization_Donate_Check(
    Organization_Name varchar(40),
    Org_donate_date date,
    Org_donate_amount int,
    Org_donate_checkno varchar(20),
    PRIMARY KEY(Organization_Name,Org_donate_date, Org_donate_amount, Org_donate_checkno),
    foreign key (Organization_Name,Org_donate_date, Org_donate_amount) references
    Organization_Donate(Organization_Name,Org_donate_date ,Org_donate_amount) on delete cascade
);

```

```

Create Table Organization_Donate_Card(
    Organization_Name varchar(40),
    Org_donate_date date,
    Org_donate_amount int,
    Org_donate_cardno int,
    Org_donate_cardtype varchar(30),
    Org_donate_expirydate date,
    PRIMARY KEY(Organization_Name, Org_donate_date, Org_donate_amount, Org_donate_cardno),
    foreign key (Organization_Name,Org_donate_date, Org_donate_amount) references
    Organization_Donate(Organization_Name,Org_donate_date ,Org_donate_amount) on delete cascade
);

```

```

create index secondary_Insurance On Insurance_Policy(Insurance_Type);

```

```

create index Secondary_Serves_Month On Serves(Month_Record);

```

```
create index Secondary_Cares_Team_Name On Cares(Team_Name);  
create index Secondary_Donors_Donate_SSN On Donors_Donate(SSN);  
create index Secondary_Reporting_SSN On Reporting(SSN);  
create index Secondary_Sponsor_Org_Name On Sponsor(Organization_Name);  
create index Secondary_Expenses_Date On Expenses(DATE_OF_EXPENSE);
```



## 4.2 Output File Showing Creation of Tables

Table PERSON created.

Table EMERGENCY created.

Table CLIENT created.

Table NEEDS created.

Table INSURANCE\_POLICY created.

Table TEAM created.

Table CARES created.

Table VOLUNTEERS created.

Table EMPLOYEE created.

Table DONORS created.

Table SERVES created.

Table LEADS created.

Table ACTIVE created.

Table EXPENSES created.

Table REPORTING created.

Table DONORS\_DONATE created.

Table DONORS\_DONATE\_CHECK created.

Table DONORS\_DONATE\_CARD created.

Table EXTERNAL\_ORGANIZATION created.

Table AFFILIATES created.

Table CHURCH created.

Table BUSINESS created.

Table SPONSOR created.

Table ORGANIZATION\_DONOR created.

Table ORGANIZATION\_DONATE created.

Table ORGANIZATION\_DONATE\_CHECK created.

Table ORGANIZATION\_DONATE\_CARD created.

Index SECONDARY\_INSURANCE created.

Index SECONDARY\_SERVES\_MONTH created.

Index SECONDARY\_CARES\_TEAM\_NAME created.

Index SECONDARY\_DONORS\_DONATE\_SSN created.

Index SECONDARY\_REPORTING\_SSN created.

Index SECONDARY\_SPONSOR\_ORG\_NAME created.

Index SECONDARY\_EXPENSES\_DATE created.

## 5. Task 5

```
//Written by PK
package individual_Project;
import java.io.BufferedReader;
import java.io.BufferedWriter;
import java.io.File;
import java.io.FileReader;
import java.io.FileWriter;
import java.io.IOException;
import java.sql.*;
import java.util.*;

public class IP_Kadiyala_Prithviraj {
    public static Scanner scan = new Scanner(System.in);
    private static Connection dbConnection;
    private static Statement stmt;
    //Connection Function
    public static void initdb() {
        try {
            Class.forName("oracle.jdbc.OracleDriver");
        } catch (Exception x){
            System.out.println( "Unable to load the driver class!" );
        }
        try{
            dbConnection = DriverManager.getConnection
("jdbc:oracle:thin:@//oracle.cs.ou.edu:1521/pdborcl.cs.ou.edu"," kadi0000 ", " XWza6Tc8 ");
            stmt = dbConnection.createStatement();
        }
        catch(Exception e) {
            System.out.println (e.getMessage());
            System.out.println ("Exception occurred in executing the statement");
        }
    }
    //Helps get Inputs from the user
    public static String getInput(String prompt) {
        System.out.println(prompt);
        return scan.nextLine();
    }
    //Main Function
    public static void main(String[] args) throws SQLException {
        initdb();
        boolean shouldQuit = false;
```

```

String bigPrompt = "-----\n" +
    " Welcome to the Database of Individual Project of Prithviraj\n" +
    "-----\n" +
    "Please Enter you option(1-17):\n" +
    "1. Enter a new team into the database\n" +
    "2. Enter a new client into the database and associate him or her with\n" +
    "one or more teams\n" +
    "3. Enter a new volunteer into the database and associate him or her\n" +
    "with one or more teams\n" +
    "4. Enter the number of hours a volunteer worked this month for a\n" +
    "particular team\n" +
    "5. Enter a new employee into the database and associate him or her\n" +
    "with one or more teams\n" +
    "6. Enter an expense charged by an employee\n" +
    "7. Enter a new organization and associate it to one or more PAN\n" +
    "teams\n" +
    "8. Enter a new donor and associate him or her with several\n" +
    "donations.\n" +
    "9. Enter a new organization and associate it with several donations\n" +
    "+\n" +
    "10. Retrieve the name and phone number of the doctor of a particular\n" +
    "client\n" +
    "11. Retrieve the total amount of expenses charged by each employee\n" +
    "for a particular period of time.\r\n" +
    "The list should be sorted by the total amount of expenses\n" +
    "12. Retrieve the list of volunteers that are members of teams that\n" +
    "support a particular client\n" +
    "13. Retrieve the names and contact information of the clients that are\n" +
    "supported by teams sponsored by\r\n" +
    "an organization whose name starts with a letter between B and K. The\n" +
    "client list should be sorted by name\n" +
    "14. Retrieve the name and total amount donated by donors that are\n" +
    "also employees. The list should be\r\n" +
    "sorted by the total amount of the donations, and indicate if each donor\n" +
    "wishes to remain anonymous\n" +
    "15. For each team, retrieve the name and associated contact\n" +
    "information of the volunteer that has worked\r\n" +
    "the most total hours between March and June\n" +
    "16. Increase the salary by 10% of all employees to whom more than\n" +
    "one team must report\n" +

```

"17. Delete all clients who do not have health insurance and whose  
value of importance for transportation\r\n" +

"is less than 5\r\n"+

"18.Import\r\n"+

"19.Export\r\n" +

"20. Quit\r\n";

while(!shouldQuit)

{

String inp = getInput(bigPrompt);

int input = -1;

try {

input = Integer.parseInt(inp.trim());

}

catch(Exception e) {}

switch(input) {

case 1:

option1();

break;

case 2:

option2();

break;

case 3:

option3();

break;

case 4:

option4();

break;

case 5:

option5();

break;

case 6:

option6();

break;

case 7:

option7();

break;

case 8:

option8();

break;

case 9:

option9();

break;

case 10:

option10();

```

        break;
    case 11:
        option11();
        break;
    case 12:
        option12();
        break;
    case 13:
        option13();
        break;
    case 14:
        option14();
        break;
    case 15:
        option15();
        break;
    case 16:
        option16();
        break;
    case 17:
        option17();
        break;
    case 18:
        option18();
        break;
    case 19:
        option19();
        break;
    case 20:
        shouldQuit = true;
        break;
    default:
        System.out.println("Sorry, Unrecognized input");
        break;
    }
}
System.out.println("Thank You for using the Program");
}
//Helps get TO_DATE function to send to SQL
public static String getDateSQL() {
    String month = getInput("month(mm):");
    String day = getInput("day(dd):");
    String year = getInput("year(yyyy):");

```

```

        String dateString = "TO_DATE('" + month + "-" + day + "-" + year + "', 'MM-DD-
YYYY')";

        return dateString;

    }
    //Enter a new team into the database
    public static void option1() {
        System.out.println("Executing Query 1:");
        String team_name = getInput("Team Name:");
        String team_type = "";
        boolean option1Quit = false;
        while(!option1Quit)
        {
            String team_type_select = getInput("Team Type Select: \n1. Premium
Assistance \n"+

            "2. Copayment Assistance\n3. Ancillary Assistance\n"+

            "4. Nursing Assistance\n5. Travel Assistance");

            int team_select = -1;
            try {
                team_select = Integer.parseInt(team_type_select.trim());
            }
            catch(Exception e) {}
            switch(team_select) {
                case 1:
                    team_type += "Premium Assistance";
                    option1Quit = true;
                    break;
                case 2:
                    team_type += "Copayment Assistance";
                    option1Quit = true;
                    break;
                case 3:
                    team_type += "Ancillary Assistance";
                    option1Quit = true;
                    break;
                case 4:
                    team_type += "Nursing Assistance";
                    option1Quit = true;
                    break;
                case 5:
                    team_type += "Travel Assistance";

```

```

        option1Quit = true;
        break;
    default:
        System.out.println("Invalid Option. Please choose a
correct option");

        break;
    }
}
System.out.println("\nPlease enter the date the team was formed:");
String date_formed = getDateSQL();
//Inserting Teams in to the Database
String sql="INSERT INTO Team(Team_Name, Team_Type, Date_Formed) VALUES
("+team_name+", "+team_type+", "+date_formed+")";
System.out.println(sql);
try {
    stmt.executeQuery(sql);
    TeamSelect();
}catch(SQLException e) {
    e.printStackTrace();
}
}

//Enter a new client into the database and associate him or her with one or more teams
public static void option2() {
    boolean option2Quit = false;
    //Choose options between Adding new client and Associate teams with clients
or Go back to Main Menu
    while(!option2Quit)
    {
        String option2subquery_select = getInput("What do you want to do
?\n1. Add new Client\n2. Associate Client with a team\n3. Add new Insurances for Clients\n4.Add needs
for the Client\n5. Main Menu");
        int option2subquery = String_Int_Convert(option2subquery_select);
        switch(option2subquery) {
            case 1:
                PersonSelect();
                ClientSelect();
                boolean correctclient = false;
                //Choose Whether to Add new client or Person because
of the Parent-Child Key
                while(!correctclient)
                {
                    String client_select =getInput("What do you
want to do?\n1.Add new Client\n2.Add new Person\n3.Go Back");

```



```

String_Int_Convert(client_select);

entering Info for a Client");

input one of the SSNs from the Persons Table and not already present in Clients Table");

String_Int_Convert(sSSN);

getInput("Please enter the name of the Doctor");

getInput("Please enter Doc Phone Number");

String_Long_Convert(sDoc_Phone);

getInput("Please enter Attorney Name");

getInput("Please enter Attorney Phone Number");

String_Long_Convert(sAtt_Phone);

enter the date client is assigned to PAN");

getDateSQL();

Table

Client(SSN, Doc_Name, Doc_Phone, Attorney_Name, Attorney_Phone, Date_Assigned) VALUES
(""+SSN+"", ""+Doc_Name+"", ""+doc_phone+"", ""+Att_Name+"", ""+att_phone+"", ""+date_Assigned+"");

extract results of the query

stmt.executeQuery(sql);

Current Client to teams

int client_sel =

switch(client_sel) {
case 1:
    System.out.println("\nYou are

    String sSSN = getInput("Please
    int SSN =

    String Doc_Name =

    String sDoc_Phone =

    long doc_phone =

    String Att_Name =

    String sAtt_Phone =

    long att_phone =

    System.out.println("\nPlease

    String date_Assigned =

    //Inserting Data into Clients

    String sql="INSERT INTO
    Client(SSN, Doc_Name, Doc_Phone, Attorney_Name, Attorney_Phone, Date_Assigned) VALUES
    (""+SSN+"", ""+Doc_Name+"", ""+doc_phone+"", ""+Att_Name+"", ""+att_phone+"", ""+date_Assigned+"");
    //Loop through result set and

    try {

        ClientSelect();
    }catch(SQLException e) {
        e.printStackTrace();
    }
    //Adding Associations the the

    TeamSelect();

```

```

String Team_Name =
getInput("Please enter the Team Name from the above Team List you want to associaite Client with");
String Status = "";
boolean correctstatus = false;
//Choose options for Status

1.Active or 2.Inactive

getInput("Please enter Status of the client\n1.Active\n2.Inactive");

String_Int_Convert(statusinput);

"Active";

true;

"Inactive";

true;

System.out.println("Invalid Input! Please enter the correct option");

Table

Cares(SSN, Team_Name, Status) VALUES ("'+SSN+'", "'+Team_Name+'", "'+Status+'");

extract results of the query

stmt.executeQuery(sql1);

String sql1="INSERT INTO
CaresSelect();
}catch(SQLException e) {
e.printStackTrace();
}
//Inserting Data into Cares
//Loop through result set and
try {

```

```

Entering Insurance details for the Client");

getInput("Please enter the Policy ID not present in the above list");

getInput("Please enter policy Provider for the client");

= getInput("Please provide the Address for the Policy Provider");

```

```

policy_type_select = getInput("Please type of Policy from the
following:\n1.Auto\n2.Life\n3.Health\n4.Home");

```

```

switch(policy_type_select) {

```

```

    "Auto";

```

```

    true;

```

```

    "Life";

```

```

    true;

```

```

    "Health";

```

```

    true;

```

```

    "Home";

```

```

    true;

```

```

        System.out.println("Invalid Option. Please choose a correct option");

```

```

        System.out.println("\nYou are

```

```

        String Policy_ID =

```

```

        String Policy_Provider =

```

```

        String Policy_Provider_address

```

```

        String policy_type = "";

```

```

        boolean correctpolicy = false;

```

```

        while(!correctpolicy) {

```

```

            String

```

```

            case "1":

```

```

                policy_type =

```

```

                correctpolicy =

```

```

                break;

```

```

            case "2":

```

```

                policy_type =

```

```

                correctpolicy =

```

```

                break;

```

```

            case "3":

```

```

                policy_type =

```

```

                correctpolicy =

```

```

                break;

```

```

            case "4":

```

```

                policy_type =

```

```

                correctpolicy =

```

```

                break;

```

```

            default:

```

```

                break;

```

```

    }
}
//Inserting Data into Insurance

Table
String sqlInsurance_Submit =
"Insert into Insurance_Policy(Policy_ID,Provider_ID,Provider_Address,Insurance_Type,SSN) values
('"+Policy_ID+"','"+Policy_Provider+"','"+Policy_Provider_address+"','"+policy_type+"','"+SSN+"");
//Reading Data from Insurance

Table
String read_Insurance = "Select

* from Insurance_Policy";

try {

    stmt.executeQuery(sqlInsurance_Submit);

    ResultSet rs2 =

    stmt.executeQuery(read_Insurance);

    //Loop through result
    set and extract results of the query

    System.out.println("\nThis is the List of Insurance Policies");

    System.out.println("Policy_ID || Provider_ID || Provider_Address || Insurance_Type || SSN");
    while(rs2.next()) {

        System.out.println(rs2.getString(1) + " || " + rs2.getString(2) + " || " + rs2.getString(3) + " || " +
rs2.getString(4) + " || " + rs2.getInt(5));

    }
} catch(SQLException e) {
    e.printStackTrace();
}
NeedsSelect();
System.out.println("You're
entering the needs of the client");

NeedsSelect();
String Need = "";
int Importance = 0;
boolean optionneed = false;
//Inserting Data into Needs

Table for each Option

while(!optionneed) {
    String inputneed =

    getInput("Please select one of the
following\n1.Visiting\n2.Shopping\n3.HouseKeeping\n4.Transportation\n5.Yard
Work\n6.Food\n7.Anything else\n8.Done Putting needs");

```

"Visiting";

importance = getInput("Please enter the importance of Visiting(1-10):");

String\_Int\_Convert(importance);

InsertNeed = "Insert into Needs(SSN, Needs, Importance) values (" + SSN + ", " + Need + ", " + Importance + ")";

stmt.executeQuery(InsertNeed);

NeedsSelect();

}catch(SQLException e) {

e.printStackTrace();

"Shopping";

importance1 = getInput("Please enter the importance of Shopping(1-10):");

String\_Int\_Convert(importance1);

InsertNeed1 = "Insert into Needs(SSN, Needs, Importance) values (" + SSN + ", " + Need + ", " + Importance + ")";

stmt.executeQuery(InsertNeed1);

NeedsSelect();

}catch(SQLException e) {

e.printStackTrace();

switch(inputneed) {

case "1":

Need =

String

Importance =

String

try {

}

break;

case "2":

Need =

String

Importance =

String

try {

}

break;

case "3":

```
"Housekeeping";
```

```
importance2 = getInput("Please enter the importance of Housekeeping(1-10):");
```

```
String_Int_Convert(importance2);
```

```
InsertNeed2 = "Insert into Needs(SSN, Needs, Importance) values  
("+SSN+", '"+Need+"', '"+Importance+"')";
```

```
stmt.executeQuery(InsertNeed2);
```

```
NeedsSelect();
```

```
}catch(SQLException e) {
```

```
e.printStackTrace();
```

```
"Transportation";
```

```
importance3 = getInput("Please enter the importance of Transportation(1-10):");
```

```
String_Int_Convert(importance3);
```

```
InsertNeed3 = "Insert into Needs(SSN, Needs, Importance) values  
("+SSN+", '"+Need+"', '"+Importance+"')";
```

```
stmt.executeQuery(InsertNeed3);
```

```
NeedsSelect();
```

```
}catch(SQLException e) {
```

```
e.printStackTrace();
```

```
Work";
```

```
Need =
```

```
String
```

```
Importance =
```

```
String
```

```
try {
```

```
}
```

```
break;
```

```
case "4":
```

```
Need =
```

```
String
```

```
Importance =
```

```
String
```

```
try {
```

```
}
```

```
break;
```

```
case "5":
```

```
Need = "Yard
```

```
importance4 = getInput("Please enter the importance of Yard Work(1-10):");
```

```
String_Int_Convert(importance4);
```

```
InsertNeed4 = "Insert into Needs(SSN, Needs, Importance) values  
("+SSN+", '"+Need+"', '"+Importance+"')";
```

```
stmt.executeQuery(InsertNeed4);
```

```
NeedsSelect();
```

```
}catch(SQLException e) {
```

```
e.printStackTrace();
```

```
importance5 = getInput("Please enter the importance of Food(1-10):");
```

```
String_Int_Convert(importance5);
```

```
InsertNeed5 = "Insert into Needs(SSN, Needs, Importance) values  
("+SSN+", '"+Need+"', '"+Importance+"')";
```

```
stmt.executeQuery(InsertNeed5);
```

```
NeedsSelect();
```

```
}catch(SQLException e) {
```

```
e.printStackTrace();
```

```
= getInput("Please enter any need apart from the listed");
```

```
importance6 = getInput("Please enter the importance of "+userneed+"(1-10):");
```

String

Importance =

String

try {

}

break;

case "6":

Need = "Food";

String

Importance =

String

try {

}

break;

case "7":

String userneed

String

```

String_Int_Convert(importance6);

InsertNeed6 = "Insert into Needs(SSN, Needs, Importance) values
("+SSN+", ""+userneed+"", "+Importance+)";

stmt.executeQuery(InsertNeed6);

NeedsSelect();

}catch(SQLException e) {

e.printStackTrace();

}
break;
case "8":
optionneed =

break;

}
break;
case 2:
getPersonInput();
break;
case 3:
correctclient = true;
break;
default:
System.out.println("Invalid

break;

}

}
break;
case 2:
boolean correctassociate = false;
//Check if all the Teams are visible and associate them

while(!correctassociate)
{
ClientSelect();

```

Importance =

String

try {

true;

Option. Please choose a correct option");

with a Client



```

String associate_select = getInput("Do you see
the Client you want to associate Teams with?\n1.Yes\n2.No");
int associate_sel =
String_Int_Convert(associate_select);

switch(associate_sel) {
//Go back to previous Menu
case 2:
    System.out.println("\nSelect
'Add new Client' in the next menu :)");

    correctassociate = true;
    break;
//Add a new association between Team
and Client

case 1:
    CaresSelect();
    TeamSelect();
    boolean

    while(!correctTeamAssociation)
    {
        //Choose if you want to
add another association or go back to main menu

        String
teamassociate_select =getInput("Do you want to add another Association to the list
above?\n1.Yes\n2.No");

        int teamassociate_sel =
String_Int_Convert(teamassociate_select);

        switch(teamassociate_sel) {

//Go back to
Previous Menu

case 2:

            System.out.println("\nSelect 'Associate with a team' in the next menu :)");

            correctTeamAssociation = true;

            break;
//Enter
Association

case 1:
            String
sSSN = getInput("Please input one of the SSNs from the Clients Table and not already present in Cares
Table");

```

```

= String_Int_Convert(sSSN);
Team_Name = getInput("Please enter the Team Name from the above Team List");
Status = "";

    boolean correctstatus = false;

    //Choose options for Status 1.Active or 2.Inactive

    while(!correctstatus) {

        String statusinput = getInput("Please enter Status of the client\n1.Active\n2.Inactive");

        int statusinputint = String_Int_Convert(statusinput);

        switch(statusinputint) {

            case 1:

                Status += "Active";

                correctstatus = true;

                break;

            case 2:

                Status += "Inactive";

                correctstatus = true;

                break;

            default:

                System.out.println("Invalid Input! Please enter the correct option");

                break;

        }
    }

```

int SSN  
String  
String

```

//Inserting Data into Cares Table
String
sql1="INSERT INTO Cares(SSN, Team_Name, Status) VALUES ('"+SSN+"','"+Team_Name+"',
 '"+Status+"')";
//Loop
through result set and extract results of the query
try {

    stmt.executeQuery(sql1);

    CaresSelect();

} catch(SQLException e) {

    e.printStackTrace();

    }
    break;
default:

    System.out.println("Invalid Option. Please choose a correct option");

    break;

}

}
break;
default:
    System.out.println("Invalid
Option. Please choose a correct option");

break;

}

}
break;
case 3:
    ClientSelect();
    System.out.println("\nYou are Entering Insurance
details for the Client");

    String sSSN = getInput("Please select a SSN from above
Client Table");

    int InsuranceSSN = String_Int_Convert(sSSN);
    String Policy_ID = getInput("Please enter the Policy ID
not present in the above list");

    String Policy_Provider = getInput("Please enter policy
Provider for the client");

```

```

String Policy_Provider_address = getInput("Please
provide the Address for the Policy Provider");
String policy_type = "";
boolean correctpolicy = false;
while(!correctpolicy) {
    String policy_type_select = getInput("Please
type of Policy from the following:\n1.Auto\n2.Life\n3.Health\n4.Home");
    switch(policy_type_select) {
        case "1":
            policy_type = "Auto";
            correctpolicy = true;
            break;
        case "2":
            policy_type = "Life";
            correctpolicy = true;
            break;
        case "3":
            policy_type = "Health";
            correctpolicy = true;
            break;
        case "4":
            policy_type = "Home";
            correctpolicy = true;
            break;
        default:
            System.out.println("Invalid Option.
Please choose a correct option");
            break;
    }
}
//Inserting Data into Insurance Table
String sqlInsurance_Submit = "Insert into
Insurance_Policy(Policy_ID,Provider_ID,Provider_Address,Insurance_Type,SSN) values
('"+Policy_ID+"','"+Policy_Provider+"','"+Policy_Provider_address+"','"+policy_type+"','"+InsuranceSSN+"
)";

//Reading Data from Insurance Table
String read_Insurance = "Select * from
Insurance_Policy";

try {
    stmt.executeQuery(sqlInsurance_Submit);
    ResultSet rs2 =

stmt.executeQuery(read_Insurance);

//Loop through result set and extract results of
the query

```

```

Insurances");

Provider_Address || Insurance Type || SSN");

+ rs2.getString(2) + "|" + rs2.getString(3) + "|" + rs2.getString(4)+ "|" +rs2.getInt(5));
    }
} catch(SQLException e) {
    e.printStackTrace();
}
break;
case 4:
    NeedsSelect();
    String sSSN1 = getInput("Please enter the SSN of the
client you want to input needs");

    int SSN = String_Int_Convert(sSSN1);
    System.out.println("You're entering the needs of the
client");

    NeedsSelect();
    String Need = "";
    int Importance = 0;
    boolean optionneed = false;
    //Inserting Data into Needs Table for Each Option
    while(!optionneed) {
        String inputneed = getInput("Please select one
of the following\n1.Visiting\n2.Shopping\n3.HouseKeeping\n4.Transportation\n5.Yard
Work\n6.Food\n7.Anything else\n8.Done Putting needs");
        switch(inputneed) {
            case "1":
                Need = "Visiting";
                String importance = getInput("Please
enter the importance of Visiting(1-10):");

                Importance =
String_Int_Convert(importance);

                String InsertNeed = "Insert into
Needs(SSN, Needs, Importance) values (" +SSN+", '"+Need+"', '"+Importance+'");
                try {

                    stmt.executeQuery(InsertNeed);

                    NeedsSelect();
                } catch(SQLException e) {
                    e.printStackTrace();
                }
            }
        }
    }
}

```

```

break;
case "2":
    Need = "Shopping";
    String importance1 = getInput("Please
enter the importance of Shopping(1-10):");

    Importance =

    String InsertNeed1 = "Insert into
Needs(SSN, Needs, Importance) values (" + SSN + ", " + Need + ", " + Importance + ")";
    try {

        stmt.executeQuery(InsertNeed1);

        NeedsSelect();
    } catch (SQLException e) {
        e.printStackTrace();
    }
    break;
case "3":
    Need = "Housekeeping";
    String importance2 = getInput("Please
enter the importance of Housekeeping(1-10):");

    Importance =

    String InsertNeed2 = "Insert into
Needs(SSN, Needs, Importance) values (" + SSN + ", " + Need + ", " + Importance + ")";
    try {

        stmt.executeQuery(InsertNeed2);

        NeedsSelect();
    } catch (SQLException e) {
        e.printStackTrace();
    }
    break;
case "4":
    Need = "Transportation";
    String importance3 = getInput("Please
enter the importance of Transportation(1-10):");

    Importance =

    String InsertNeed3 = "Insert into
Needs(SSN, Needs, Importance) values (" + SSN + ", " + Need + ", " + Importance + ")";
    try {

        stmt.executeQuery(InsertNeed3);

```

```

        NeedsSelect();
    }catch(SQLException e) {
        e.printStackTrace();
    }
    break;
case "5":
    Need = "Yard Work";
    String importance4 = getInput("Please
enter the importance of Yard Work(1-10):");

    Importance =

    String InsertNeed4 = "Insert into
Needs(SSN, Needs, Importance) values (" + SSN + ", " + Need + ", " + Importance + ")";
    try {

        stmt.executeQuery(InsertNeed4);

        NeedsSelect();
    }catch(SQLException e) {
        e.printStackTrace();
    }
    break;
case "6":
    Need = "Food";
    String importance5 = getInput("Please
enter the importance of Food(1-10):");

    Importance =

    String InsertNeed5 = "Insert into
Needs(SSN, Needs, Importance) values (" + SSN + ", " + Need + ", " + Importance + ")";
    try {

        stmt.executeQuery(InsertNeed5);

        NeedsSelect();
    }catch(SQLException e) {
        e.printStackTrace();
    }
    break;
case "7":
    String userneed = getInput("Please
enter any need apart from the listed");

    String importance6 = getInput("Please
enter the importance of " + userneed + "(1-10):");

    Importance =

    String_Int_Convert(importance6);

```

```

String InsertNeed6 = "Insert into
Needs(SSN, Needs, Importance) values (" + SSN + ", " + userneed + ", " + Importance + ")";
try {

stmt.executeQuery(InsertNeed6);

NeedsSelect();
}catch(SQLException e) {
    e.printStackTrace();
}
break;
case "8":
    optionneed = true;
    break;
}
}
break;
case 5:
    option2Quit = true;
    break;
default:
    System.out.println("Invalid Option. Please choose a
correct option");
    break;
}
}
}
//Entering new Volunteers into the system and associating them with a team
public static void option3() {
    boolean correctoption = false;
    while(!correctoption) {
        PersonSelect();
        String inputselect = getInput("Please Choose\n(Please Exit and select
option 4 for Entering Month and hours for a volunteer)" +
"\n1.Enter a
new Person\n2.Enter a new Volunteer\n3.Enter Volunteer Status\n4.Exit");
        switch(inputselect) {
            case "1":
                getPersonInput();
                break;
            case "2":
                System.out.println("\nYou are now entering Volunteer Data");
                String sSSN = getInput("Please enter volunteer SSN");
                int SSN = String_Int_Convert(sSSN);
                System.out.println("Please enter the date volunteer joined");

```



```

String Date_joined = getDateSQL();
System.out.println("Please enter the date Volunteer's Recent
Training Course Date");

String recent_date = getDateSQL();
String Recent_Location = getInput("Please input the Recent
Training Course Recent Training Course Location");
//Inserting Data into Volunteer Table
String InsertVolunteer = "Insert into volunteers(SSN,
Date_Joined, Recent_Date, Recent_Location) Values
("+SSN+", "+Date_joined+", "+recent_date+", "+Recent_Location+)";
//Reading Data from Volunteer Table
String Read_Volunteer = "Select * from volunteers";
try {
    stmt.executeQuery(InsertVolunteer);
    ResultSet rs2 = stmt.executeQuery(Read_Volunteer);
    //Loop through result set and extract results of the
query

    System.out.println("\nThis is the List of Volunteers");
    System.out.println("SSN || Date_Joined || Recent_Date
|| Recent_Location");

    while(rs2.next()) {
        System.out.println(rs2.getInt(1) + "|" +
rs2.getDate(2).toString() + "|" + rs2.getDate(3).toString() + "|" + rs2.getString(4));
    }
} catch(SQLException e) {
    e.printStackTrace();
}
TeamSelect();
String Team_Name = getInput("Please Enter the team name you
want to associate with");

boolean correctmonth = false;
int Month=0;
while(!correctmonth) {
    String Month_choice = getInput("Please enter a month
he has worked
for:\n1.January\n2.February\n3.March\n4.April\n5.May\n6.June\n7.July\n8.August\n9.September\n10.
October\n11.November\n12.December");

    switch(Month_choice) {
        case "1":
            Month = 1;
            correctmonth = true;
            break;
        case "2":

```

```
        Month = 2;
        correctmonth = true;
        break;
case "3":
    Month = 3;
    correctmonth = true;
    break;
case "4":
    Month = 4;
    correctmonth = true;
    break;
case "5":
    Month = 5;
    correctmonth = true;
    break;
case "6":
    Month = 6;
    correctmonth = true;
    break;
case "7":
    Month = 7;
    correctmonth = true;
    break;
case "8":
    Month = 8;
    correctmonth = true;
    break;
case "9":
    Month = 9;
    correctmonth = true;
    break;
case "10":
    Month = 10;
    correctmonth = true;
    break;
case "11":
    Month = 11;
    correctmonth = true;
    break;
case "12":
    Month = 12;
    correctmonth = true;
    break;
default:
```

```

        System.out.println("Invalid Option. Please enter
a valid option");

        break;
    }
}
String hours_per_week = getInput("Please enter the number of
hours volunteer has worked for that month");
int hrs = String_Int_Convert(hours_per_week);
//Inserting Data into Serves Table
String Date = "TO_DATE('2016-"+Month+"-01','YYYY-MM-DD')";
String InsertServes = "Insert into serves(SSN, Team_Name,
Month_record, Hours_week) values("+SSN+", '"+Team_Name+"', '"+Date+"', "+hrs+")";
//Reading Data from Serves Table
String Serves_Select = "Select * from Serves";
try {
    stmt.executeQuery(InsertServes);
    ResultSet rs2 = stmt.executeQuery(Serves_Select);
    //Loop through result set and extract results of the
query
    System.out.println("\nThis is the List of Volunteers
Serving on Teams");
    System.out.println("SSN || Team_Name || Month ||
Hours_per_Week");
    while(rs2.next()) {
        System.out.println(rs2.getInt(1) + "|" +
rs2.getString(2) + "|" + rs2.getDate(3).toString() + "|" + rs2.getInt(4));
    }
} catch (SQLException e) {
    e.printStackTrace();
}
boolean correctstatus = false;
String Status = "";
while(!correctstatus) {
    String status = getInput("Is the volunter Active or not
for that team?\n1.Yes\n2.No");
    switch(status) {
        case "1":
            Status = "Yes";
            correctstatus = true;
            break;
        case "2":
            Status = "No";
            correctstatus = true;
            break;
    }
}

```

```

        default:
            System.out.println("Invalid Input. Please
provide Correct input");

            break;

        }
    }
    //Inserting Data into Active Table
    String InsertActive = "Insert into Active(SSN, Team_Name,
Active) values("+SSN+", "+Team_Name+", "+Status+")";
    //Reading Data from Active Table
    String Active_Select = "Select * from Active";
    try {
        stmt.executeQuery(InsertActive);
        ResultSet rs2 = stmt.executeQuery(Active_Select);
        //Loop through result set and extract results of the
query
        System.out.println("\nThis is the List of Volunteers
Statuses");

        System.out.println("SSN || Team_Name || Active");
        while(rs2.next()) {
            System.out.println(rs2.getInt(1) + "|" +
rs2.getString(2) + "|" + rs2.getString(3));
        }
    } catch (SQLException e) {
        e.printStackTrace();
    }
    break;
case "3":
    TeamSelect();
    String Read_Volunteer1 = "Select * from volunteers";
    try {
        ResultSet rs2 = stmt.executeQuery(Read_Volunteer1);
        //Loop through result set and extract results of the
query
        System.out.println("\nThis is the List of Volunteers");
        System.out.println("SSN || Date_Joined || Recent_Date
|| Recent_Location");

        while(rs2.next()) {
            System.out.println(rs2.getInt(1) + "|" +
rs2.getDate(2).toString() + "|" + rs2.getDate(3).toString() + "|" + rs2.getString(4));
        }
    } catch (SQLException e) {
        e.printStackTrace();
    }
}

```

```

    }
    String sSSN1 = getInput("Please enter SSN of a volunteer");
    int SSN1 = String_Int_Convert(sSSN1);
    String Team_Name1 = getInput("Please enter a Team name");
    boolean correctstatus1 = false;
    String Status1 = "";
    while(!correctstatus1) {
        String status = getInput("Is the volunteer Active or not
for that team?\n1.Yes\n.No");

        switch(status) {
            case "1":
                Status1 = "Yes";
                correctstatus1 = true;
                break;
            case "2":
                Status1 = "No";
                correctstatus1 = true;
                break;
            default:
                System.out.println("Invalid Input. Please
provide Correct input");
                break;
        }
    }
    //Inserting Data into Active Table
    String InsertActive1 = "Insert into Active(SSN, Team_Name,
Active) values('"+SSN1+"','"+Team_Name1+"','"+Status1+"')";
    String Active_Select1 = "Select * from Serves";
    try {
        stmt.executeQuery(InsertActive1);
        ResultSet rs2 = stmt.executeQuery(Active_Select1);
        //Loop through result set and extract results of the
query
        System.out.println("\nThis is the List of Volunteers
Statuses");

        System.out.println("SSN || Team_Name || Active");
        while(rs2.next()) {
            System.out.println(rs2.getInt(1) + "||" +
rs2.getString(2) + "||" + rs2.getString(3));
        }
    } catch(SQLException e) {
        e.printStackTrace();
    }
}

```

```

        boolean teamlead = false;
        while(!teamlead) {
            String options = getInput("\nIs the volunteer also the
lead of the team?\n1.Yes\n1.No");

            switch(options) {
                case "1":
                    //Inserting Data into Leads Table
                    String InsertLeads = "Insert into Leads(SSN,
Team_Name) values("+SSN1+", '"+Team_Name1+"')";
                    String selectLeads = "Select * from Leads";
                    try {
                        stmt.executeQuery(InsertLeads);
                        ResultSet rs2 =

                        stmt.executeQuery(selectLeads);

                        //Loop through result set and extract
                        results of the query
                        System.out.println("\nThis is the List of
Team Leads");
                        System.out.println("SSN ||
Team_Name");
                        while(rs2.next()) {
                            System.out.println(rs2.getInt(1)
+ "|" + rs2.getString(2));
                        }
                    }catch(SQLException e) {
                        e.printStackTrace();
                    }
                    teamlead = true;
                    break;
                case "2":
                    teamlead = true;
                    break;
                default:
                    System.out.println("\nInvalid option. Please
enter a correct option");
                    break;
            }
        }
        break;
    case "4":
        correctoption = true;
        break;
    }
}

```

```

    }
    //Enter Month and Hrs worked by a volunteer for a Team
    public static void option4() {
        TeamSelect();
        String Read_Volunteer = "Select * from volunteers";
        try {
            ResultSet rs2 = stmt.executeQuery(Read_Volunteer);
            //Loop through result set and extract results of the query
            System.out.println("\nThis is the List of Volunteers");
            System.out.println("SSN || Date_Joined || Recent_Date ||
Recent_Location");
            while(rs2.next()) {
                System.out.println(rs2.getInt(1) + "|" + rs2.getDate(2).toString()
+ "|" + rs2.getDate(3).toString() + "|" + rs2.getString(4));
            }
        }catch(SQLException e) {
            e.printStackTrace();
        }
        String Team_Name = getInput("Please Enter the team name you want to
associate with");
        boolean correctmonth = false;
        String sSSN = getInput("Please enter the SSN of the Volunteer you want to
associate Team with");
        int SSN = String_Int_Convert(sSSN);
        int Month = 0;
        while(!correctmonth) {
            String Month_choice = getInput("Please enter a month he has worked
for:\n1.January\n2.February\n3.March\n4.April\n5.May\n6.June\n7.July\n8.August\n9.September\n10.
October\n11.November\n12.December");

            switch(Month_choice) {
                case "1":
                    Month = 1;
                    correctmonth = true;
                    break;
                case "2":
                    Month = 2;
                    correctmonth = true;
                    break;
                case "3":
                    Month = 3;
                    correctmonth = true;
                    break;
            }
        }
    }
}

```

```

        case "4":
            Month = 4;
            correctmonth = true;
            break;
        case "5":
            Month = 5;
            correctmonth = true;
            break;
        case "6":
            Month = 6;
            correctmonth = true;
            break;
        case "7":
            Month = 7;
            correctmonth = true;
            break;
        case "8":
            Month = 8;
            correctmonth = true;
            break;
        case "9":
            Month = 9;
            correctmonth = true;
            break;
        case "10":
            Month = 10;
            correctmonth = true;
            break;
        case "11":
            Month = 11;
            correctmonth = true;
            break;
        case "12":
            Month = 12;
            correctmonth = true;
            break;
        default:
            System.out.println("Invalid Option. Please enter a valid
option");
            break;
    }
}
String hours_per_week = getInput("Please enter the number of hours volunteer
has worked for that month");

```



```

        int hrs = String_Int_Convert(hours_per_week);
        //Inserting Data into Serves Table
        String Date = "TO_DATE('2016-"+Month+"-01', 'YYYY-MM-DD')";
        String InsertServes = "Insert into serves(SSN, Team_Name, Month_record,
Hours_week) values("+SSN+", '"+Team_Name+"', '"+Date+"', "+hrs+"");
        String Serves_Select = "Select * from Serves";
        try {
            stmt.executeQuery(InsertServes);
            ResultSet rs2 = stmt.executeQuery(Serves_Select);
            //Loop through result set and extract results of the query
            System.out.println("\nThis is the List of Volunteers Serving on Teams");
            System.out.println("SSN || Team_Name || Month ||
Hours_per_Week");
            while(rs2.next()) {
                System.out.println(rs2.getInt(1) + "|" + rs2.getString(2) + "|" +
rs2.getDate(3).toString() + "|" + rs2.getInt(4));
            }
        }catch(SQLException e) {
            e.printStackTrace();
        }
    }
}

```

```

//Enter Employee and associate him with Team(s)
public static void option5() {
    boolean correctoption = false;
    while(!correctoption) {
        PersonSelect();
        String inputselect = getInput("Please Choose\n1. Enter a new
Person\n2. Enter a new Employee\n3. Associate an Employee with a team\n4.Exit");
        switch(inputselect) {
            case "1":
                getPersonInput();
                break;
            case "2":
                System.out.println("You are now entering Employee Data");
                String sSSN = getInput("Please enter Employee SSN");
                int SSN = String_Int_Convert(sSSN);
                String sSalary = getInput("Please enter the salary of the
employee");
                int salary = String_Int_Convert(sSalary);

```

```

String Marital_Status = getInput("Please enter the Marital
Status of the Employee");

Employee");

String hire_date = getDateSQL();
//Inserting Data into Employee Table
String InsertEmployee = "Insert into Employee(SSN, Hire_Date,
salary, Marital_Status) Values (" + SSN + ", " + hire_date + ", " + salary + ", " + Marital_Status + ")";
String Read_Employee = "Select * from Employee";
try {
    stmt.executeQuery(InsertEmployee);
    ResultSet rs52 = stmt.executeQuery(Read_Employee);
    //Loop through result set and extract results of the
query

    System.out.println("\nThis is the List of Employees");
    System.out.println("SSN || salary || Marital_Status ||
Hire_Date");

    while(rs52.next()) {
        System.out.println(rs52.getInt(1) + " | " +
rs52.getInt(2) + " | " + rs52.getString(3) + " | " + rs52.getDate(4).toString());
    }
} catch(SQLException e) {
    e.printStackTrace();
}
TeamSelect();
String Team_Name = getInput("Please Enter the team name you
want to associate with");

String descripiton = getInput("Please enter the description of
the report");

System.out.println("Please enter the date of the report");
String date_report = getDateSQL();
//Inserting Data into Reporting Table
String InsertReport = "Insert into Reporting(SSN, Team_Name,
Report_Date, Report_Description)
values(" + SSN + ", " + Team_Name + ", " + date_report + ", " + descripiton + ")";
String Report_Select = "Select * from Reporting";
try {
    stmt.executeQuery(InsertReport);
    ResultSet rs521 = stmt.executeQuery(Report_Select);
    //Loop through result set and extract results of the
query

    System.out.println("\nThis is the List of Reports");
    System.out.println("SSN || Team_Name ||
Report_Date || Report_Description");

```

```

        while(rs521.next()) {
            System.out.println(rs521.getInt(1) + "|" +
rs521.getString(2) + "|" + rs521.getDate(3).toString() + "|" + rs521.getString(4));
        }
    }catch(SQLException e) {
        e.printStackTrace();
    }
    break;
case "3":
    String Read_Employee1 = "Select * from Employee";
    try {
        ResultSet rs53 = stmt.executeQuery(Read_Employee1);
        //Loop through result set and extract results of the
query

        System.out.println("\nThis is the List of Employees");
        System.out.println("SSN || salary || Marital_Status ||
Hire_Date");

        while(rs53.next()) {
            System.out.println(rs53.getInt(1) + "|" +
rs53.getInt(2) + "|" + rs53.getString(3) + "|" + rs53.getDate(4).toString());
        }
    }catch(SQLException e) {
        e.printStackTrace();
    }
    TeamSelect();
    String sSSN1 = getInput("Select one SSN from Employee");
    int SSN1 = String_Int_Convert(sSSN1);
    String Team_Name1 = getInput("Please Enter the team name
you want to associate with");

    String descripton1 = getInput("Please enter the number of
hours volunteer has worked for that month");
    System.out.println("Please enter the date of the report");
    String date_report1 = getDateSQL();
    //Inserting Data into Reporting Table
    String InsertReport1 = "Insert into Reporting(SSN, Team_Name,
Report_Date, Report_Description)
values(\"+SSN1+\",\"+Team_Name1+\",\"+date_report1+\",\"+descripton1+)\";
    String Report_Select1 = "Select * from Reporting";
    try {
        stmt.executeQuery(InsertReport1);
        ResultSet rs531 = stmt.executeQuery(Report_Select1);
        //Loop through result set and extract results of the
query

        System.out.println("\nThis is the List of Reports");

```

```

        System.out.println("SSN || Team_Name ||
Report_Date || Report_Description");
        while(rs531.next()) {
            System.out.println(rs531.getInt(1) + "|" +
rs531.getString(2) + "|" + rs531.getDate(3).toString() + "|" + rs531.getString(4));
        }
    }catch(SQLException e) {
        e.printStackTrace();
    }
    break;
case "4":
    correctoption = true;
    break;
}
}

//Enter the Charges by the Employee
public static void option6() {
    boolean option6 = false;
    while(!option6) {
        String Read_Employee1 = "Select * from Employee";
        try {
            ResultSet rs6 = stmt.executeQuery(Read_Employee1);
            //Loop through result set and extract results of the query
            System.out.println("\nThis is the List of Employees");
            System.out.println("SSN || salary || Marital_Status ||
Hire_Date");
            while(rs6.next()) {
                System.out.println(rs6.getInt(1) + "|" + rs6.getInt(2) +
|" + rs6.getString(3) + "|" + rs6.getDate(4).toString());
            }
        }catch(SQLException e) {
            e.printStackTrace();
        }
        String optionselect = getInput("Please Choose from the
options\n1.Enter new Expense\n2.Exit");
        switch(optionselect) {
            case "1":
                String sSSN = getInput("Select one SSN from Employee");
                int SSN = String_Int_Convert(sSSN);
                System.out.println("Please enter the date of Expense");
                String date_ofExpense = getDateSQL();

```

```

        String sAmount = getInput("Please the amount of Expense");
        int amount = String_Int_Convert(sAmount);
        String Expense_Description = getInput("Please enter the
description of the expense");

        //Inserting Data into Expenses Table
        String Expense_Submit = "Insert into Expenses(SSN,
date_of_expense, amount, expense_description) values("+SSN+", "+date_ofExpense+",
"+amount+", "+Expense_Description+")";
        String Read_Expenses = "Select * from Expenses";
        try {
            stmt.executeQuery(Expense_Submit);
            ResultSet rs61 = stmt.executeQuery(Read_Expenses);
            //Loop through result set and extract results of the
query

            System.out.println("\nThis is the List of Employee's
Expenses");

            System.out.println("SSN || Expense_date || Amount ||
Description");

            while(rs61.next()) {
                System.out.println(rs61.getInt(1) + "|" +
rs61.getDate(2).toString() + "|" + rs61.getInt(3) + "|" + rs61.getString(4));
            }
        }catch(SQLException e) {
            e.printStackTrace();
        }
        break;
    case "2":
        option6 = true;
        break;
    default:
        System.out.println("Invalid input. Please provide correct
input");
    }
}
}

```

```

//Display All Tables
public static void option7() {
    boolean option7Quit = false;
    while(!option7Quit) {
        String Read_Expenses = "Select * from External_Organization";
        try {
            ResultSet rs7 = stmt.executeQuery(Read_Expenses);

```

```

//Loop through result set and extract results of the query
System.out.println("\nThis is the List of Organizations");
System.out.println("Organization Name | | Mailing_Address | |
Phone_Number | | Contact_Person");
while(rs7.next()) {
    System.out.println(rs7.getString(1) + "|" +
rs7.getString(2) + "|" + rs7.getLong(3) + "|" + rs7.getString(4));
}
}catch(SQLException e) {
    e.printStackTrace();
}
String option7select = getInput("\nPlease enter your option
below\n1.Enter a new Organization.\n2.Associate Organization with a Team.\n3.Main Menu");
switch(option7select) {
case "1":
    String Org_Name = getInput("Please enter Organization
Name");
    String Mailing_Address = getInput("Please enter Address of the
Organization");
    String Iphone = getInput("Please enter phone number of the
Organization");
    long phone = String_Long_Convert(Iphone);
    String personContact = getInput("Please enter the contact
person in the organization");
    //Inserting Data into External_Organization Table
    String sql = "Insert into
External_Organization(Organization_Name, Mailing_Address, Phone_Number, Contact_Person)
values('"+Org_Name+"', '"+Mailing_Address+"', '"+phone+"', '"+personContact+"')";
    try {
        stmt.executeQuery(sql);
        ResultSet rs7 = stmt.executeQuery(Read_Expenses);
        System.out.println("\nThis is the List of Organizations");
        System.out.println("Organization Name | |
Mailing_Address | | Phone_Number | | Contact_Person");
        while(rs7.next()) {
            System.out.println(rs7.getString(1) + "|" +
rs7.getString(2) + "|" + rs7.getLong(3) + "|" + rs7.getString(4));
        }
    }catch(SQLException e) {
        e.printStackTrace();
    }
    break;
case "2":
    TeamSelect();

```

```

        String team_name = getInput("Please enter the Team_Name
from the list above");
        String Orga_Name = getInput("Please enter the
Organization_Name from the list above");
        //Inserting Data into Sponsor Table
        String InsertSponsor = "Insert into Sponsor(Organization_Name,
Team_Name) values('"+Orga_Name+"','"+team_name+"')";
        String ReadSponsor = "Select * from sponsor";
        try {
            stmt.executeQuery(InsertSponsor);
            ResultSet rs7 = stmt.executeQuery(ReadSponsor);
            System.out.println("\nThis is the List of Sponsors");
            System.out.println("Organization_Name | |
Team_Name");
            while(rs7.next()) {
                System.out.println(rs7.getString(1) + "|" +
rs7.getString(2));
            }
        }catch(SQLException e) {
            e.printStackTrace();
        }
        break;
    case "3":
        option7Quit = true;
        break;
    default :
        System.out.println("\nInvalid Input. Please provide correct
input");
        break;
    }
}
//Enter New Donors into the system
public static void option8() {
    PersonSelect();
    boolean option8select = false;
    while(!option8select) {
        String option8input = getInput("Please select one from the
following\n1.Enter New Person\n2.Enter New Donor\n3.Associate donor with Donations\n4.Main
Menu");
        switch(option8input) {
            case "1":
                getPersonInput();
                break;

```

```

case "2":
    String sSSN= getInput("Please enter the SSN of the person who
wishes to be a Donor");

    int SSN = String_Int_Convert(sSSN);
    String Anonymous = "";
    boolean correctoption = false;
    while(!correctoption) {
        String input = getInput("Does the Donor wishes to be
anonymous?\n1.Yes\n2.No");

        switch(input) {
            case "1":
                Anonymous = "Yes";
                correctoption = true;
                break;
            case "2":
                Anonymous = "No";
                correctoption = true;
                break;
            default :
                System.out.println("Invalid Input. Please
provide correct input");
        }
    }
    //Inserting Data into Donors Table
    String sql = "Insert into Donors(SSN, Anonymous)
values("+SSN+", '"+Anonymous+"')";

    String sql1 = "Select * from Donors";
    //Loop through result set and extract results of the query
    try {
        stmt.executeQuery(sql);
        ResultSet rs = stmt.executeQuery(sql1);
        System.out.println("\nThis is the Donors Table\n SSN | |
Anonymous");

        while(rs.next()) {
            System.out.println(rs.getInt(1) + " | " +
rs.getString(2));
        }
    }catch(SQLException e) {
        e.printStackTrace();
    }
    String donate_amount = getInput("Please enter the amount
Donor wants to donate");

    int amount = String_Int_Convert(donate_amount);
    System.out.println("Please enter the Date of the donation");

```



```

String donate_date = getDateSQL();
String fund_campaign = getInput("Enter the fundraising
Campaign towards which amount is donated");
String donation_type = "";
boolean donateoption = false;
while(!donateoption) {
    String input = getInput("Please enter donation
type\n1.Card\n2.Check");

    switch(input) {
    case "1":
        donation_type = "Card";
        String card_number = getInput("Please provide
the Card Number");

        int card = String_Int_Convert(card_number);
        String Card_type = getInput("Please enter the
card type");

        System.out.println("Please enter the expiry
date of the card");

        String expiry_date = getDateSQL();
        //Inserting Data into Donors_Donate Table
        String InsertDonate = "Insert into
Donors_Donate(SSN, Donors_Donate_Date, Donors_Donate_Amount, Donors_Donate_Type,
Donors_Donate_FCampaign)
values("+SSN+", "+donate_date+", "+amount+", "+donation_type+", "+fund_campaign+")";
        //Inserting Data into Donors_Donate_Card
        Table
        String InsertDonate_Card = "Insert into
donors_donate_card(SSN, Donors_Donate_Date, Donors_Donate_Amount, Donors_Donate_cardno,
Donors_Donate_cardtype, Donors_Donate_Expirydate)
values("+SSN+", "+donate_date+", "+amount+", "+card+", "+Card_type+", "+expiry_date+)";
        String SelectDonors= "Select * from
Donors_Donate";

        String SelectDonorsCard = "Select * from
Donors_Donate_Card";

        //Loop through result set and extract results of
the query

        try {
            stmt.executeQuery(InsertDonate);

            stmt.executeQuery(InsertDonate_Card);

            ResultSet rs81 =
stmt.executeQuery(SelectDonors);

```

```

System.out.println("\nThis is the
Donors Table\n SSN || Donation Date || Donation Amount || Donation Type || Fundraising
Campaign");

while(rs81.next()) {

    System.out.println(rs81.getInt(1) + "|" + rs81.getDate(2).toString() + "|" + rs81.getInt(3) + "|" +
rs81.getString(4) + "|" + rs81.getString(5));

}

ResultSet rs82 =

stmt.executeQuery(SelectDonorsCard);

System.out.println("\nThis is the Card
Donors Table\n SSN || Donation Date || Donation Amount || Card number || Card Type || Expiry
Date");

while(rs82.next()) {

    System.out.println(rs82.getInt(1) + "|" + rs82.getDate(2).toString() + "|" + rs82.getInt(3) + "|" +
rs82.getInt(4) + "|" + rs82.getString(5) + "|" + rs82.getDate(6).toString());

}

}catch(SQLException e) {
    e.printStackTrace();
}

donateoption = true;
break;
case "2":
    donation_type = "Check";
    String check_number = getInput("Please
provide the Check Number");

    int check = String_Int_Convert(check_number);
    //Inserting Data into Donors_Donate Table
    String InsertDonates = "Insert into
Donors_Donate(SSN, Donors_Donate_Date, Donors_Donate_Amount, Donors_Donate_Type,
Donors_Donate_FCampaign)
values("+SSN+", "+donate_date+", "+amount+", "+donation_type+", "+fund_campaign+")";
    //Inserting Data into Donors_Donate_Check
    Table

    String InsertDonate_Check = "Insert into
donors_donate_check(SSN, Donors_Donate_Date, Donors_Donate_Amount, Donors_Donate_checkno)
values("+SSN+", "+donate_date+", "+amount+", "+check+")";

    String Select_Donors = "Select * from
Donors_donate";

    String SelectDonorsCheck = "Select * from
Donors_Donate_Check";

    //Loop through result set and extract results of
the query

```

```

        try {
            stmt.executeQuery(InsertDonates);

            stmt.executeQuery(InsertDonate_Check);

            ResultSet rs81 =

            System.out.println("\nThis is the
Donors Table\n SSN || Donation Date || Donation Amount || Donation Type || Fundraising
Campaign");

            while(rs81.next()) {

                System.out.println(rs81.getInt(1) + "|" + rs81.getDate(2).toString() + "|" + rs81.getInt(3) + "|" +
rs81.getString(4) + "|" + rs81.getString(5));

            }
            ResultSet rs82 =

            System.out.println("\nThis is the Check
Donors Table\n SSN || Donation Date || Donation Amount || Check number");
            while(rs82.next()) {

                System.out.println(rs82.getInt(1) + "|" + rs82.getDate(2).toString() + "|" + rs82.getInt(3) + "|" +
rs82.getInt(4));

            }
        } catch (SQLException e) {
            e.printStackTrace();
        }
        donateoption = true;
        break;
    default :
        System.out.println("Invalid Input. Please
provide correct input");
        break;
    }
}

break;
case "3":
    String sSSN1 = getInput("Enter the SSN of the Donor who wants
to donate");

    int SSN1 = String_Int_Convert(sSSN1);
    String donate_amount1 = getInput("Please enter the amount
Donor wants to donate");

    int amount1 = String_Int_Convert(donate_amount1);
    System.out.println("Pleae enter the Date of the donation");

```

```

String donate_date1 = getDateSQL();
String fund_campaign1 = getInput("Enter the fundraising
Campaign towards which amount is donated");
String donation_type1 = "";
boolean donateoption1 = false;
while(!donateoption1) {
    String input = getInput("Please enter donation
type\n1.Card\n2.Check");

    switch(input) {
    case "1":
        donation_type1 = "Card";
        String card_number = getInput("Please provide
the Card Number");

        int card = String_Int_Convert(card_number);
        String Card_type = getInput("Please enter the
card type");

        System.out.println("Please enter the expiry
date of the card");

        String expiry_date = getDateSQL();
        //Inserting Data into Donors_Donate Table
        String InsertDonate = "Insert into
Donors_Donate(SSN, Donors_Donate_Date, Donors_Donate_Amount, Donors_Donate_Type,
Donors_Donate_FCampaign)
values("+SSN1+", "+donate_date1+", "+amount1+", "+donation_type1+", "+fund_campaign1+"");
        //Inserting Data into Donors_Donate_Card
        Table
        String InsertDonate_Card = "Insert into
donors_donate_card(SSN, Donors_Donate_Date, Donors_Donate_Amount, Donors_Donate_cardno,
Donors_Donate_cardtype, Donors_Donate_Expirydate)
values("+SSN1+", "+donate_date1+", "+amount1+", "+card+", "+Card_type+", "+expiry_date+"");
        String SelectDonors= "Select * from
Donors_Donate";

        String SelectDonorsCard = "Select * from
Donors_Donate_Card";

        //Loop through result set and extract results of
the query

        try {
            stmt.executeQuery(InsertDonate);

            stmt.executeQuery(InsertDonate_Card);

            ResultSet rs81 =
stmt.executeQuery(SelectDonors);

```

```

        System.out.println("\nThis is the
Donors Table\n SSN || Donation Date || Donation Amount || Donation Type || Fundraising
Campaign");

        while(rs81.next()) {

            System.out.println(rs81.getInt(1) + "|" + rs81.getDate(2).toString() + "|" + rs81.getInt(3) + "|" +
rs81.getString(4) + "|" + rs81.getString(5));

        }
        ResultSet rs82 =

stmt.executeQuery(SelectDonorsCard);

        System.out.println("\nThis is the Card
Donors Table\n SSN || Donation Date || Donation Amount || Card number || Card Type || Expiry
Date");

        while(rs82.next()) {

            System.out.println(rs82.getInt(1) + "|" + rs82.getDate(2).toString() + "|" + rs82.getInt(3) + "|" +
rs82.getInt(4) + "|" + rs82.getString(5) + "|" + rs82.getDate(6).toString());

        }
    }catch(SQLException e) {
        e.printStackTrace();
    }
    donateoption1 = true;
    break;
case "2":
    donation_type1 = "Check";
    String check_number = getInput("Please
provide the Check Number");

    int check = String_Int_Convert(check_number);
    //Inserting Data into Donors_Donate Table
    String InsertDonates = "Insert into
Donors_Donate(SSN, Donors_Donate_Date, Donors_Donate_Amount, Donors_Donate_Type,
Donors_Donate_FCampaign)
values("+SSN1+", "+donate_date1+", "+amount1+", "+donation_type1+", "+fund_campaign1+"");
    //Inserting Data into Donors_Donate_Check
    Table

    String InsertDonate_Check = "Insert into
donors_donate_check(SSN, Donors_Donate_Date, Donors_Donate_Amount, Donors_Donate_checkno)
values("+SSN1+", "+donate_date1+", "+amount1+", "+check+"");

    String Select_Donors = "Select * from
Donors_Donate";

    String SelectDonorsCheck = "Select * from

//Loop through result set and extract results of
the query

```

```

        try {
            stmt.executeQuery(InsertDonates);

            stmt.executeQuery(InsertDonate_Check);

            ResultSet rs81 =

            System.out.println("\nThis is the
Donors Table\n SSN || Donation Date || Donation Amount || Donation Type || Fundraising
Campaign");

            while(rs81.next()) {

                System.out.println(rs81.getInt(1) + "|" + rs81.getDate(2).toString() + "|" + rs81.getInt(3) + "|" +
rs81.getString(4) + "|" + rs81.getString(5));

            }
            ResultSet rs82 =

            System.out.println("\nThis is the Check
Donors Table\n SSN || Donation Date || Donation Amount || Check number");
            while(rs82.next()) {

                System.out.println(rs82.getInt(1) + "|" + rs82.getDate(2).toString() + "|" + rs82.getInt(3) + "|" +
rs82.getInt(4));

            }
        }catch(SQLException e) {
            e.printStackTrace();
        }
        donateoption1 = true;
        break;
    default :
        System.out.println("Invalid Input. Please
provide correct input");
    }
}
break;
case "4":
    option8select = true;
    break;
}
}
}
//Find the category and name of the oldest book that has more than 10 editions and
was translated by 'Mark'.
public static void option9() {
    String Select_Organization = "Select * from External_organization";

```

```

        boolean option8select = false;
        while(!option8select) {
            try {
                ResultSet rs9 = stmt.executeQuery(Select_Organization);
                System.out.println("\nThis is the Organizations Table\n
Organization_Name || Mailing Address || Phone Number || Contact Person");
                while(rs9.next()) {
                    System.out.println(rs9.getString(1) + "|" +
rs9.getString(2) + "|" + rs9.getLong(3) + "|" + rs9.getString(4));
                }
            }catch(SQLException e) {
                e.printStackTrace();
            }
            String option8input = getInput("Please select one from the
following\n1.Enter New Organization into the System\n2.Associate Organization with
Donations\n3.Main Menu");
            switch(option8input) {
                case "1":
                    String Organization_Name= getInput("Please enter the
Organization Name");
                    String Mailing_Address = getInput("Please enter the mailing
address of the Organization");
                    String IPhone = getInput("Please enter the phone number of the
Organization");
                    long phone = String_Long_Convert(IPhone);
                    String Contact_Person = getInput("Please enter the name of the
contact person in the Organization");
                    String Anonymous = "";
                    boolean correctoption = false;
                    while(!correctoption) {
                        String input = getInput("Does the Donor wish to be
anonymous?\n1.Yes\n2.No");
                        switch(input) {
                            case "1":
                                Anonymous = "Yes";
                                correctoption = true;
                                break;
                            case "2":
                                Anonymous = "No";
                                correctoption = true;
                                break;
                            default :
                                System.out.println("Invalid Input. Please
provide correct input");

```

```

        break;
    }
}
//Inserting Data into External Organization Table
String Insert_Organization = "Insert into
External_Organization(Organization_Name, Mailing_Address, Phone_Number, Contact_Person)
values('"+Organization_Name+"','"+Mailing_Address+"','"+phone+"','"+Contact_Person+"')";
//Inserting Data into Donor_Organization Table
String Insert_Organization_Donor = "Insert into
Organization_Donor(Organization_Name, Anonymous)
values('"+Organization_Name+"','"+Anonymous+"')";
String Select_Organization_Donor = "Select * from
Organization_Donor";

//Loop through result set and extract results of the query
try {
    stmt.executeQuery(Insert_Organization);
    stmt.executeQuery(Insert_Organization_Donor);
    ResultSet rs91 =
stmt.executeQuery(Select_Organization);
    System.out.println("\nThis is the Organizations Table\n
Organization_Name || Mailing Address || Phone Number || Contact Person");
    while(rs91.next()) {
        System.out.println(rs91.getString(1) + "|" +
rs91.getString(2) + "|" + rs91.getLong(3) + "|" + rs91.getString(4));
    }
    ResultSet rs92 =
stmt.executeQuery(Select_Organization_Donor);
    System.out.println("\nThis is the Organizations Donors
Table\n Organization_Name || Anonymous");
    while(rs92.next()) {
        System.out.println(rs92.getString(1) + "|" +
rs92.getString(2));
    }
} catch (SQLException e) {
    e.printStackTrace();
}
String donate_amount = getInput("Please enter the amount
Organization wants to donate");
int amount = String_Int_Convert(donate_amount);
System.out.println("Please enter the Date of the donation");
String donate_date = getDateSQL();
String fund_campaign = getInput("Enter the fundraising
Campaign towards which amount is donated");
String donation_type = "";

```



```

        boolean donateoption = false;
        while(!donateoption) {
            String input = getInput("Please enter donation
type\n1.Card\n2.Check");

            switch(input) {
                case "1":
                    donation_type = "Card";
                    String card_number = getInput("Please provide
the Card Number");

                    int card = String_Int_Convert(card_number);
                    String Card_type = getInput("Please enter the
card type");

                    System.out.println("Please enter the expiry
date of the card");

                    String expiry_date = getDateSQL();
                    //Inserting Data into Organization_Donate
Table
                    String InsertDonate = "Insert into
Organization_Donate(Organization_Name, Org_Donate_Date, Org_Donate_Amount, Org_Donate_Type,
Org_Donate_FCampaign)
values('"+Organization_Name+"','"+donate_date+"','"+amount+"','"+donation_type+"','"+fund_campaign+
"')";

                    //Inserting Data into Organization_Donate_Card
Table
                    String InsertDonate_Card = "Insert into
Organization_donate_card(Organization_Name, Org_Donate_Date,
Org_Donate_Amount,Org_Donate_cardno, Org_Donate_cardtype, Org_Donate_Expirydate)
values('"+Organization_Name+"','"+donate_date+"','"+amount+"','"+card+"','"+Card_type+"','"+expiry_date
+"')";

                    String SelectOrganization= "Select * from
Organization_Donate";

                    String SelectOrganizationCard = "Select * from
Organization_Donate_Card";

                    //Loop through result set and extract results of
the query

                    try {
                        stmt.executeQuery(InsertDonate);

                        stmt.executeQuery(InsertDonate_Card);

                        ResultSet rs93 =

                        System.out.println("\nThis is the
Organization Donate Table\n Organization_Name || Donation Date || Donation Amount || Donation
Type || Fundraising Campaign");

```

```

while(rs93.next()) {

    System.out.println(rs93.getString(1) + "|" + rs93.getDate(2).toString() + "|" + rs93.getInt(3) + "|"
+ rs93.getString(4) + "|" + rs93.getString(5));

    }
    ResultSet rs94 =

stmt.executeQuery(SelectOrganizationCard);

    System.out.println("\nThis is the Card
Organization Table\n Organization_Name || Donation Date || Donation Amount || Card number ||
Card Type || Expiry Date");

    while(rs94.next()) {

        System.out.println(rs94.getString(1) + "|" + rs94.getDate(2).toString() + "|" + rs94.getInt(3) + "|"
+ rs94.getInt(4) + "|" + rs94.getString(5) + "|" + rs94.getDate(6).toString());

        }
        }catch(SQLException e) {
            e.printStackTrace();
        }
        donateoption = true;
        break;
    case "2":
        donation_type = "Check";
        String check_number = getInput("Please
provide the Check Number");

        int check = String_Int_Convert(check_number);
        //Inserting Data into Organization_Donate
        Table
        String InsertDonates = "Insert into
Organization_Donate(Organization_Name, Org_Donate_Date, Org_Donate_Amount, Org_Donate_Type,
Org_Donate_FCampaign)
values('"+Organization_Name+"','"+donate_date+"','"+amount+"','"+donation_type+"','"+fund_campaign+
"'");
        //Inserting Data into
        Organization_Donate_Check Table
        String InsertDonate_Check = "Insert into
Organization_donate_check(Organization_Name, Org_Donate_Date,
Org_Donate_Amount,Org_Donate_checkno)
values('"+Organization_Name+"','"+donate_date+"','"+amount+"','"+check+"')";
        String SelectOrganizationCheck = "Select * from
Organization_Donate_Check";
        String SelectOrganizationDonate = "Select *
from Organization_Donate";

        //Loop through result set and extract results of
the query

```

```

        try {
            stmt.executeQuery(InsertDonates);

            stmt.executeQuery(InsertDonate_Check);

            ResultSet rs95 =

            System.out.println("\nThis is the
Organization Donate Table\n Organization_Name || Donation Date || Donation Amount || Donation
Type || Fundraising Campaign");

            while(rs95.next()) {

                System.out.println(rs95.getString(1) + "|" + rs95.getDate(2).toString() + "|" + rs95.getInt(3) + "|"
+ rs95.getString(4) + "|" + rs95.getString(5));

            }
            ResultSet rs96 =

            System.out.println("\nThis is the Check
Organization Table\n Organization_Name || Donation Date || Donation Amount || Check number");
            while(rs96.next()) {

                System.out.println(rs96.getString(1) + "|" + rs96.getDate(2).toString() + "|" + rs96.getInt(3) + "|"
+ rs96.getInt(4));

            }
        } catch (SQLException e) {
            e.printStackTrace();
        }
        donateoption = true;
        break;
    default :
        System.out.println("Invalid Input. Please
provide correct input");
    }
}
break;
case "2":
    String Organization_Name1 = getInput("Please enter
Organization Name from the above list to associate it with a donation");
    String donate_amount1 = getInput("Please enter the amount
Organization wants to donate");

    int amount1 = String_Int_Convert(donate_amount1);
    System.out.println("Please enter the Date of the donation");
    String donate_date1 = getDateSQL();
    String fund_campaign1 = getInput("Enter the fundraising
Campaign towards which amount is donated");

```

```

String donation_type1 = "";
boolean donateoption1 = false;
while(!donateoption1) {
    String input = getInput("Please enter donation
type\n1.Card\n2.Check");

    switch(input) {
    case "1":
        donation_type1 = "Card";
        String card_number = getInput("Please provide
the Card Number");

        int card = String_Int_Convert(card_number);
        String Card_type = getInput("Please enter the
card type");

        System.out.println("Please enter the expiry
date of the card");

        String expiry_date = getDateSQL();
        //Inserting Data into Organization_Donate
Table

        String InsertDonate = "Insert into
Organization_Donate(Organization_Name, Org_Donate_Date, Org_Donate_Amount, Org_Donate_Type,
Org_Donate_FCampaign)
values('"+Organization_Name1+"','"+donate_date1+"','"+amount1+"','"+donation_type1+"','"+fund_camp
aign1+"')";

        //Inserting Data into Organization_Donate_Card
Table

        String InsertDonate_Card = "Insert into
Organization_donate_card(Organization_Name, Org_Donate_Date,
Org_Donate_Amount,Org_Donate_cardno, Org_Donate_cardtype, Org_Donate_Expirydate)
values('"+Organization_Name1+"','"+donate_date1+"','"+amount1+"','"+card+"','"+Card_type+"','"+expiry_d
ate+"')";

        String SelectOrganization= "Select * from
Organization_Donate";

        String SelectOrganizationCard = "Select * from
Organization_Donate_Card";

        //Loop through result set and extract results of
the query

        try {
            stmt.executeQuery(InsertDonate);

            stmt.executeQuery(InsertDonate_Card);

            ResultSet rs93 =
stmt.executeQuery(SelectOrganization);

```

```

        System.out.println("\nThis is the
Organization Donate Table\n Organization_Name || Donation Date || Donation Amount || Donation
Type || Fundraising Campaign");

        while(rs93.next()) {

            System.out.println(rs93.getString(1) + "|" + rs93.getDate(2).toString() + "|" + rs93.getInt(3) + "|" +
+ rs93.getString(4) + "|" + rs93.getString(5));

        }
        ResultSet rs94 =

stmt.executeQuery(SelectOrganizationCard);

        System.out.println("\nThis is the Card
Organization Table\n Organization_Name || Donation Date || Donation Amount || Card number ||
Card Type || Expiry Date");

        while(rs94.next()) {

            System.out.println(rs94.getString(1) + "|" + rs94.getDate(2).toString() + "|" + rs94.getInt(3) + "|" +
+ rs94.getInt(4) + "|" + rs94.getString(5) + "|" + rs94.getDate(6).toString());

        }
    }catch(SQLException e) {
        e.printStackTrace();
    }
    donateoption1 = true;
    break;
case "2":
    donation_type1 = "Check";
    String check_number = getInput("Please
provide the Check Number");

    int check = String_Int_Convert(check_number);
    //Inserting Data into Organization_Donate

Table

    String InsertDonates = "Insert into
Organization_Donate(Organization_Name, Org_Donate_Date, Org_Donate_Amount, Org_Donate_Type,
Org_Donate_FCampaign)
values('"+Organization_Name1+"','"+donate_date1+"','"+amount1+"','"+donation_type1+"','"+fund_camp
aign1+"')";

    //Inserting Data into

Organization_Donate_Check Table

    String InsertDonate_Check = "Insert into
Organization_donate_check(Organization_Name, Org_Donate_Date,
Org_Donate_Amount,Org_Donate_checkno)
values('"+Organization_Name1+"','"+donate_date1+"','"+amount1+"','"+check+"')";

    String SelectOrganizationCheck = "Select * from
Organization_Donate_Check";

```

from Organization\_Donor";

the query

stmt.executeQuery(InsertDonate\_Check);

stmt.executeQuery(Select\_Organization\_Donor1);

Organization Donate Table\n Organization\_Name || Donation Date || Donation Amount || Donation Type || Fundraising Campaign");

System.out.println(rs95.getString(1) + "|" + rs95.getDate(2).toString() + "|" + rs95.getInt(3) + "|" + rs95.getString(4) + "|" + rs95.getString(5));

stmt.executeQuery(SelectOrganizationCheck);

Organization Table\n Organization\_Name || Donation Date || Donation Amount || Check number"); while(rs96.next()) {

System.out.println(rs96.getString(1) + "|" + rs96.getDate(2).toString() + "|" + rs96.getInt(3) + "|" + rs96.getInt(4));

provide correct input");

```
String Select_Organization_Donor1 = "Select *
//Loop through result set and extract results of
try {
    stmt.executeQuery(InsertDonates);

    ResultSet rs95 =

    System.out.println("\nThis is the
Organization Donate Table\n Organization_Name || Donation Date || Donation Amount || Donation
Type || Fundraising Campaign");

    while(rs95.next()) {

        System.out.println(rs95.getString(1) + "|" + rs95.getDate(2).toString() + "|" + rs95.getInt(3) + "|"
+ rs95.getString(4) + "|" + rs95.getString(5));

    }
    ResultSet rs96 =

    System.out.println("\nThis is the Check
Organization Table\n Organization_Name || Donation Date || Donation Amount || Check number");
    while(rs96.next()) {

        System.out.println(rs96.getString(1) + "|" + rs96.getDate(2).toString() + "|" + rs96.getInt(3) + "|"
+ rs96.getInt(4));

    }
} catch (SQLException e) {
    e.printStackTrace();
}
donateoption1 = true;
break;
default :
    System.out.println("Invalid Input. Please
provide correct input");
    break;
}
}
break;
case "3":
    option8select = true;
    break;
default :
    System.out.println("Please Enter a valid input");
```

```

        break;
    }
}
}
//Retrieve Client's Doctor's Name and Phone number.
public static void option10() {
    ClientSelect();
    String Required_Item = getInput("Please enter the SSN of the client's Info you
need");

    int SSN = String_Int_Convert(Required_Item);
    String sql = "SELECT SSN,DOC_NAME,DOC_PHONE FROM CLIENT WHERE
SSN="+SSN+"";

    //Loop through result set and extract results of the query
    try {
        ResultSet rs = stmt.executeQuery(sql);
        System.out.println("Details of the selected Client\nSSN || Doc_Name ||
Doc_Phone");
        while(rs.next()) {
            System.out.println(rs.getInt(1)+ " | " + rs.getString(2) + " | " +
rs.getLong(3));
        }
    }catch(SQLException e) {
        e.printStackTrace();
    }
}
//
public static void option11() {
    System.out.println("Please enter the start date of the expenses");
    String start_date = getDateSQL();
    System.out.println("Please enter the end date of the expenses");
    String end_date = getDateSQL();
    System.out.println(end_date);
    String sql = "SELECT SSN, SUM(amount) AS Total FROM Expenses where
date_of_expense between "+start_date+" and "+end_date+" GROUP BY SSN ORDER BY Total";
    //Loop through result set and extract results of the query
    try {
        ResultSet rs = stmt.executeQuery(sql);
        System.out.println("\nSSN || Total Amount");
        while(rs.next()) {
            System.out.println(rs.getInt(1) + " | " + rs.getInt(2));
        }
    }catch(SQLException e) {
        e.printStackTrace();
    }
}

```

```

    }
    //Gets the Volunteers serving in Teams caring for a specific Client
    public static void option12() {
        ClientSelect();
        String Required_Item = getInput("Please enter the SSN of the client's Info you
need");

        int SSN = String_Int_Convert(Required_Item);
        String sql = "Select Distinct(SSN) from Serves where Team_Name in(Select
Team_Name from cares where SSN in(Select SSN from Client where SSN="+SSN+"))";
        //Loop through result set and extract results of the query
        try {
            ResultSet rs = stmt.executeQuery(sql);
            System.out.println("SSN");
            while(rs.next()) {
                System.out.println(rs.getInt(1));
            }
        }catch(SQLException e) {
            e.printStackTrace();
        }
    }

    //Get Name and Contact info of a client who is cared by the team sponsored by the
    Organization having names starting between B and K
    public static void option13() {
        String sql = "Select Person_Name, Mailing_Address, Email, Home_Number,
Work_Number, Phone_Number from Person where SSN in(Select SSN from Cares where Team_Name
in(Select Team_Name from Sponsor where Organization_Name in(Select Organization_Name from
External_Organization WHERE substr(Organization_Name,1,1) between 'B' and 'K')) order by
Person_Name";

        //Loop through result set and extract results of the query
        try {
            ResultSet rs = stmt.executeQuery(sql);
            System.out.println("Name || Mailing_Address || Email ||
Home_Number || Work_Number || Phone_Number");
            while(rs.next()) {
                System.out.println(rs.getString(1) + " || " + rs.getString(2)+ " || "
+ rs.getString(3)+ " || " + rs.getLong(4)+ " || " + rs.getLong(5)+ " || " + rs.getLong(6));
            }
        }catch(SQLException e) {
            e.printStackTrace();
        }
    }

    //For each category, display the category and the average number of editions for that
    category.

    public static void option14() {

```



```

        String sql = "SELECT Person.Person_Name,
SUM(Donors_Donate.Donors_Donate_Amount) as Total, Donors.Anonymous FROM ((Donors INNER
JOIN Donors_Donate ON Donors.SSN = Donors_Donate.SSN) INNER JOIN Person ON Donors.SSN =
Person.SSN) where Donors.SSN in(Select SSN from Employee) Group by Donors.Anonymous,
Person.Person_Name Order by Total";
        //Loop through result set and extract results of the query
        try {
            ResultSet rs = stmt.executeQuery(sql);
            System.out.println("Person Name || Total Donations || Anonymous");
            while(rs.next()) {
                System.out.println(rs.getString(1) + "|" + rs.getInt(2) + "|" +
rs.getString(3));
            }
        }catch(SQLException e) {
            e.printStackTrace();
        }
    }
    //Increase the salary of all translators who translated the book titled "Beautiful Mind"
    by 10%.
    public static void option15() {
        String sql = "Select SSN,Person_Name,Mailing_address, Email, Home_Number,
Work_Number, Phone_Number from Person where SSN in (select Distinct(SSN) from(select a.*,rank()
over (order by Total desc) r from(select Team_Name,SSN,sum(Hours_Week) as Total from Serves where
to_char(Month_Record,'mm') between 3 and 6 group by Team_Name,SSN) a))";
        //Loop through result set and extract results of the query
        try {
            ResultSet rs = stmt.executeQuery(sql);
            System.out.println("\nBelow is the Name and Contact Information of
volunteers that have worked most for each team for months between March and June");
            System.out.println("\nSSN || Person Name || Mailing_Address || Email
|| Home_Number || Work_Number || Phone_Number");
            while(rs.next()) {
                System.out.println(rs.getInt(1) + "|" + rs.getString(2) + "|" +
rs.getString(3) + "|" + rs.getString(4) + "|" + rs.getLong(5) + "|" + rs.getLong(6) + "|" + rs.getLong(7));
            }
        }catch(SQLException e) {
            e.printStackTrace();
        }
    }
    //Delete all customers with the children level.
    public static void option16() {
        String Select_Employee = "Select * from Employee";
        try {
            ResultSet rs161 = stmt.executeQuery(Select_Employee);

```

```

        System.out.println("\nSSN || Salary || Marital_Status || Hire_Date");
        while(rs161.next()) {
            System.out.println(rs161.getInt(1) + "|" + rs161.getInt(2) + "|" +
rs161.getString(3) + "|" + rs161.getDate(4).toString());
        }
    }catch(SQLException e) {e.printStackTrace();}
    String sql = "Update Employee set Salary=Salary*1.10 where SSN in(Select SSN
from Reporting group by SSN having count(Team_Name)>1)";
    //Loop through result set and extract results of the query
    try {
        stmt.executeQuery(sql);
        System.out.println("Salaries Updated");
        try {
            ResultSet rs162 = stmt.executeQuery(Select_Employee);
            System.out.println("\nSSN || Salary || Marital_Status ||
Hire_Date");
            while(rs162.next()) {
                System.out.println(rs162.getInt(1) + "|" +
rs162.getInt(2) + "|" + rs162.getString(3) + "|" + rs162.getDate(4).toString());
            }
        }catch(SQLException e) {e.printStackTrace();}
    }catch(SQLException e) {
        e.printStackTrace();
    }
}
//Delete all the clients who dont have Health Insurance and Transportation Importance
is less than 5.
public static void option17() {
    ClientSelect();
    String sql = "Delete from Client where SSN in(Select SSN from Needs where SSN
in (Select SSN from Insurance_Policy where Insurance_Type='Health') and (Needs='Transportation' and
Importance<5))";
    //Loop through result set and extract results of the query
    try {
        stmt.executeQuery(sql);
        System.out.println("Query Complete");
        ClientSelect();
    }catch(SQLException e) {
        e.printStackTrace();
    }
}
//Import
public static void option18() throws SQLException {
    //C:\Users\prith\Desktop\input.txt

```

```

        String input = getInput("Please Enter the location of the File");
        String Team_Name;
        String Team_Type;
        String Date_Formed;
        try {
            BufferedReader bufferedReader = new BufferedReader(new FileReader(new
File(input)));
            String line = null;
            while ((line = bufferedReader.readLine()) != null) {
                String tmp[]=line.split(":");
                Team_Name=tmp[0];
                Team_Type=tmp[1];
                Date_Formed=tmp[2];
                System.out.println("This is the Read Line |
"+Team_Name+"|"+Team_Type+"|"+Date_Formed);
                //Inserting Data into Team Table
                String sql = "INSERT INTO Team
(Team_Name,Team_Type,Date_Formed) values ('" + Team_Name + "','" + Team_Type +
"',"+Date_Formed+"')";

                System.out.println(sql);
                try {
                    stmt.executeQuery(sql);
                    TeamSelect();
                }catch(SQLException e) {
                    e.printStackTrace();
                }
            }
            bufferedReader.close();
        } catch (IOException e) {
            e.printStackTrace();
        }
    }

    public static String quote(String s) {
        return "\"" + s + "\"";
    }

    //Export
    //C:\Users\prith\Desktop\output.txt
    public static void option19() {
        String input = getInput("Please Enter the location of the File");
        File file = new File(input);
        FileWriter fw = null;
        try {
            fw = new FileWriter(file.getAbsolutePath());
            BufferedWriter bw = new BufferedWriter(fw);

```

```

SUBSCRIPTION='Yes';
        String sql = "Select Person_Name, Mailing_Address from Person where
        try {

                ResultSet rs = stmt.executeQuery(sql);
                while(rs.next()) {
                        bw.write(quote(rs.getString(1)) + " | "
+quote(rs.getString(2)) + "\n");
                                System.out.println("Printing Line into File "+
rs.getString(1) + " | " +rs.getString(2));
                }

        }catch(IOException | SQLException e ) {
                //bw.close();
                e.printStackTrace();
        }finally {
                try {bw.close();} catch (Exception ex) {}
        }
        }catch(IOException e) {
                e.printStackTrace();
        }
    }

    public static int String_Int_Convert(String input) {
        int variable = -1;
        try {
            variable = Integer.parseInt(input.trim());
        }
        catch(Exception e) {}
        return variable;
    }

    public static long String_Long_Convert(String input) {
        long variable = -1;
        try {
            variable = Long.parseLong(input.trim());
        }
        catch(Exception e) {}
        return variable;
    }

    //A function to select all from Persons Table
    public static void PersonSelect() {
        String sql = "SELECT * FROM Person";
        //Loop through result set and extract results of the query
        try {
            ResultSet rs = stmt.executeQuery(sql);

```

```

        System.out.println("\nThis is the Persons Table");
        System.out.println("\nSSN || Person_Name || Birthdate date || Race ||
Gender || Profession || Mailing_Address || Email "+
        "|| Home_number || Work_Number ||
Phone_Number || Subscription ");
        while(rs.next()) {
            System.out.println(rs.getInt(1) + " || " + rs.getString(2) + " || " +
rs.getDate(3).toString() + " || " + rs.getString(4) + " || " + rs.getString(5)+ "" +
            " || " + rs.getString(6) + " || " + rs.getString(7) + " || "
+ rs.getString(8) + " || " + rs.getLong(9) + "" +
            " || " + rs.getLong(10) + " || " + rs.getLong(11) + " || "
+ rs.getString(12));
        }
    }catch(SQLException e) {
        e.printStackTrace();
    }
}

public static void ClientSelect() {
    String sql = "Select * from Client";
    System.out.println(sql);
    try {
        ResultSet rs = stmt.executeQuery(sql);
        System.out.println("\nThis is the Clients Table");
        //Loop through result set and extract results of the query
        System.out.println("\nSSN || Doc_Name || Doc_Number || Att_Name
|| Att_Phone || Date_Assigned");
        while(rs.next()) {
            System.out.println(rs.getInt(1) + " || " + rs.getString(2) + " || " +
rs.getLong(3) + " || " + rs.getString(4)+ " || " + rs.getLong(3) + " || " + rs.getDate(6).toString());
        }

    }catch(SQLException e) {
        e.printStackTrace();
    }
}

public static void CaresSelect() {
    String sql = "Select * from Cares";
    try {
        ResultSet rs2 = stmt.executeQuery(sql);
        //Loop through result set and extract results of the query
        System.out.println("\nThis is the Cares Table");
        System.out.println("\nTeam_Name || SSN || Status");
        while(rs2.next()) {

```

```

        System.out.println(rs2.getString(1) + "|" + rs2.getInt(2) + "|" +
rs2.getString(3));
    }
    }catch(SQLException e) {
        e.printStackTrace();
    }
}
public static void TeamSelect() {
    String sql = "Select * from Team";
    try {
        ResultSet rs2 = stmt.executeQuery(sql);
        //Loop through result set and extract results of the query
        System.out.println("\nThis is the Team List");
        System.out.println("\nTeam_Name || Team_Type || Date_Formed");
        while(rs2.next()) {
            System.out.println(rs2.getString(1) + "|" + rs2.getString(2) + "|" +
+ rs2.getDate(3).toString());
        }
    }catch(SQLException e) {
        e.printStackTrace();
    }
}
public static void NeedsSelect() {
    String sql = "Select * from Needs";
    System.out.println(sql);
    try {
        String sql2 = "Select * from Needs";
        System.out.println("\nThis is the Needs Table");
        ResultSet rs = stmt.executeQuery(sql2);
        //Loop through result set and extract results of the query
        System.out.println("\nSSN || Needs || Importance\n");
        while(rs.next()) {
            System.out.println(rs.getInt(1) + "|" + rs.getString(2) + "|" +
rs.getInt(3));
        }
    }catch(SQLException e) {
        e.printStackTrace();
    }
}

//A Function to get all the inputs for the persons table.
public static void getPersonInput() {
    System.out.println("You are entering details for Person");
    String sSSN = getInput("Please Enter SSN:");

```

```

int SSN = String_Int_Convert(sSSN);
String Person_Name = getInput("Enter Person's Name");
System.out.println("Please enter the birthdate of the Person");
String BirthDate = getDateSQL();
boolean correctrace = false;
String race = "";
while(!correctrace) {
    String sRace = getInput("Please select race of the
person:\n1.American\n2.Asian\n3.Middle East\n4.Europe\n5.Africa");
    int race_select = String_Int_Convert(sRace);
    switch(race_select) {
        case 1:
            race = "American";
            correctrace= true;
            break;
        case 2:
            race="Asian";
            correctrace=true;
            break;
        case 3:
            race = "Middle East";
            correctrace= true;
            break;
        case 4:
            race="Europe";
            correctrace=true;
            break;
        case 5:
            race = "Africa";
            correctrace= true;
            break;
        default:
            System.out.println("Please enter a correct choice");
            break;
    }
}
boolean correctgender = false;
String gender = "";
while(!correctgender) {
    String sGender = getInput("Please enter the gender of the person\n1.
Male\n2.Female");
    int Gender_select = String_Int_Convert(sGender);
    switch(Gender_select) {
        case 1:

```

```

        gender = "Male";
        correctgender= true;
        break;
    case 2:
        gender="Female";
        correctgender=true;
        break;
    default:
        System.out.println("Please enter a correct choice");
        break;
    }
}
String Profession= getInput("Please Enter Profession of the person");
String Mailing_Address = getInput("Please enter the mailing address of the
person");

String Email = getInput("Please Enter the Email ID of the person");
String Home_Number = getInput("Enter the Home number of the person");
long home_number = String_Long_Convert(Home_Number);
String Work_Number = getInput("Enter the Work number of the person");
long work_number = String_Long_Convert(Work_Number);
String Phone_Number = getInput("Enter the Phone number of the person");
long phone_number = String_Long_Convert(Phone_Number);
boolean correctsub = false;
String subsription = "";
while(!correctsub) {
    String sSubscription = getInput("Is the person subscribed to the mailing
list?\n1.Yes\n2.No");

    int sub_select = String_Int_Convert(sSubscription);
    switch(sub_select) {
        case 1:
            subsription = "Yes";
            correctsub= true;
            break;
        case 2:
            subsription="No";
            correctsub=true;
            break;
        default:
            System.out.println("Please enter a correct choice");
            break;
    }
}
//Inserting Data into Persons Table

```



```

        String sql="INSERT INTO
Person(SSN,Person_Name,Birthdate,Race,Gender,Profession,Mailing_Address,Email,Home_number,Work_
Number,Phone_Number,Subscription) VALUES("+SSN+", "+Person_Name+",
"+BirthDate+", "+race+", "+gender+", "+Profession+", "+Mailing_Address+",
"+Email+", "+home_number+", "+work_number+", "+phone_number+", "+subsription+")";
        System.out.println(sql);
        try {
            stmt.executeQuery(sql);
            System.out.println("\nInformation has been added to the persons
table");

            PersonSelect();
        }catch(SQLException e) {
            e.printStackTrace();
        }
    }
}

```

## 6. Task 6

### 6.1 Script File showing Execution of Query 1

```
-----  
-----  
Welcome to the Database of Individual Project of Prithviraj Kadiyala  
-----  
-----  
Please Enter you option(1-17):  
1. Enter a new team into the database  
2. Enter a new client into the database and associate him or her with one or more  
teams  
3. Enter a new volunteer into the database and associate him or her with one or more  
teams  
4. Enter the number of hours a volunteer worked this month for a particular team  
5. Enter a new employee into the database and associate him or her with one or more  
teams  
6. Enter an expense charged by an employee  
7. Enter a new organization and associate it to one or more PAN teams  
8. Enter a new donor and associate him or her with several donations.  
9. Enter a new organization and associate it with several donations  
10. Retrieve the name and phone number of the doctor of a particular client  
11. Retrieve the total amount of expenses charged by each employee for a particular  
period of time.  
The list should be sorted by the total amount of expenses  
12. Retrieve the list of volunteers that are members of teams that support a  
particular client  
13. Retrieve the names and contact information of the clients that are supported by  
teams sponsored by  
an organization whose name starts with a letter between B and K. The client list  
should be sorted by name  
14. Retrieve the name and total amount donated by donors that are also employees. The  
list should be  
sorted by the total amount of the donations, and indicate if each donor wishes to  
remain anonymous  
15. For each team, retrieve the name and associated contact information of the  
volunteer that has worked  
the most total hours between March and June  
16. Increase the salary by 10% of all employees to whom more than one team must  
report  
17. Delete all clients who do not have health insurance and whose value of importance  
for transportation  
is less than 5  
18. Quit  
  
1  
Executing Query 1:  
Team Name:  
Team1  
Team Type Select:  
1. Premium Assistance  
2. Copayment Assistance
```

3. Ancillary Assistance
4. Nursing Assistance
5. Travel Assistance
- 1

Please enter the data the team was formed:

month(mm):

01

day(dd):

01

year(yyyy):

2016

```
INSERT INTO Team(Team_Name, Team_Type, Date_Formed) VALUES ('Team1','Premium
Assistance', TO_DATE('01-01-2016', 'MM-DD-YYYY'))
```

This is the Team List

```
Team_Name || Team_Type || Date_Formed
Team1|Premium Assistance|2016-01-01
```

-----

Welcome to the Database of Individual Project of Prithviraj Kadiyala

-----

Please Enter you option(1-17):

1. Enter a new team into the database
  2. Enter a new client into the database and associate him or her with one or more teams
  3. Enter a new volunteer into the database and associate him or her with one or more teams
  4. Enter the number of hours a volunteer worked this month for a particular team
  5. Enter a new employee into the database and associate him or her with one or more teams
  6. Enter an expense charged by an employee
  7. Enter a new organization and associate it to one or more PAN teams
  8. Enter a new donor and associate him or her with several donations.
  9. Enter a new organization and associate it with several donations
  10. Retrieve the name and phone number of the doctor of a particular client
  11. Retrieve the total amount of expenses charged by each employee for a particular period of time.
- The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
  13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name
  14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
  15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June

16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
18. Quit

1

Executing Query 1:

Team Name:

Team2

Team Type Select:

1. Premium Assistance
2. Copayment Assistance
3. Ancillary Assistance
4. Nursing Assistance
5. Travel Assistance

2

Please enter the data the team was formed:

month(mm):

01

day(dd):

02

year(yyyy):

2016

INSERT INTO Team(Team\_Name, Team\_Type, Date\_Formed) VALUES ('Team2','Copayment Assistance', TO\_DATE('01-02-2016', 'MM-DD-YYYY'))

This is the Team List

Team\_Name || Team\_Type || Date\_Formed

Team1|Premium Assistance|2016-01-01

Team2|Copayment Assistance|2016-01-02

-----

Welcome to the Database of Individual Project of Prithviraj Kadiyala

-----

Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.

The list should be sorted by the total amount of expenses

12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
18. Quit

1

Executing Query 1:

Team Name:

Team3

Team Type Select:

1. Premium Assistance
2. Copayment Assistance
3. Ancillary Assistance
4. Nursing Assistance
5. Travel Assistance

3

Please enter the data the team was formed:

month(mm):

01

day(dd):

03

year(yyyy):

2016

```
INSERT INTO Team(Team_Name, Team_Type, Date_Formed) VALUES ('Team3','Ancillary Assistance', TO_DATE('01-03-2016', 'MM-DD-YYYY'))
```

This is the Team List

Team_Name	Team_Type	Date_Formed
Team1	Premium Assistance	2016-01-01
Team2	Copayment Assistance	2016-01-02
Team3	Ancillary Assistance	2016-01-03

-----

Welcome to the Database of Individual Project of Prithviraj Kadiyala

-----

Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
18. Quit

1

Executing Query 1:

Team Name:

Team4

Team Type Select:

1. Premium Assistance
2. Copayment Assistance
3. Ancillary Assistance
4. Nursing Assistance
5. Travel Assistance

4

Please enter the data the team was formed:

month(mm):

01

day(dd):

04

year(yyyy):

2016

```
INSERT INTO Team(Team_Name, Team_Type, Date_Formed) VALUES ('Team4','Nursing Assistance', TO_DATE('01-04-2016', 'MM-DD-YYYY'))
```

This is the Team List

Team_Name	Team_Type	Date_Formed
Team1	Premium Assistance	2016-01-01
Team2	Copayment Assistance	2016-01-02
Team3	Ancillary Assistance	2016-01-03
Team4	Nursing Assistance	2016-01-04

-----  
-----

Welcome to the Database of Individual Project of Prithviraj Kadiyala

-----  
-----

Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
18. Quit

1

Executing Query 1:

Team Name:

Team5

Team Type Select:

1. Premium Assistance
2. Copayment Assistance
3. Ancillary Assistance
4. Nursing Assistance
5. Travel Assistance

5

Please enter the data the team was formed:

month(mm):

01

day(dd):

05

year(yyyy):

2016

```
INSERT INTO Team(Team_Name, Team_Type, Date_Formed) VALUES ('Team5','Travel Assistance', TO_DATE('01-05-2016', 'MM-DD-YYYY'))
```

This is the Team List

Team_Name	Team_Type	Date_Formed
Team1	Premium Assistance	2016-01-01
Team2	Copayment Assistance	2016-01-02
Team3	Ancillary Assistance	2016-01-03
Team4	Nursing Assistance	2016-01-04
Team5	Travel Assistance	2016-01-05

-----  
Welcome to the Database of Individual Project of Prithviraj Kadiyala  
-----  
-----

Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.

The list should be sorted by the total amount of expenses

12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name



14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
18. Quit

## 6.2 Script File Showing Execution of Query 2

```
-----  
-----  
Welcome to the Database of Individual Project of Prithviraj Kadiyala  
-----  
-----  
Please Enter you option(1-17):  
1. Enter a new team into the database  
2. Enter a new client into the database and associate him or her with one or more  
teams  
3. Enter a new volunteer into the database and associate him or her with one or more  
teams  
4. Enter the number of hours a volunteer worked this month for a particular team  
5. Enter a new employee into the database and associate him or her with one or more  
teams  
6. Enter an expense charged by an employee  
7. Enter a new organization and associate it to one or more PAN teams  
8. Enter a new donor and associate him or her with several donations.  
9. Enter a new organization and associate it with several donations  
10. Retrieve the name and phone number of the doctor of a particular client  
11. Retrieve the total amount of expenses charged by each employee for a particular  
period of time.  
The list should be sorted by the total amount of expenses  
12. Retrieve the list of volunteers that are members of teams that support a  
particular client  
13. Retrieve the names and contact information of the clients that are supported by  
teams sponsored by  
an organization whose name starts with a letter between B and K. The client list  
should be sorted by name  
14. Retrieve the name and total amount donated by donors that are also employees. The  
list should be  
sorted by the total amount of the donations, and indicate if each donor wishes to  
remain anonymous  
15. For each team, retrieve the name and associated contact information of the  
volunteer that has worked  
the most total hours between March and June  
16. Increase the salary by 10% of all employees to whom more than one team must  
report  
17. Delete all clients who do not have health insurance and whose value of importance  
for transportation  
is less than 5  
18. Quit  
  
2  
What do you want to do ?  
1. Add new Client  
2. Associate Client with a team  
3. Add new Insurances for Clients  
4. Add needs for the Client  
5. Main Menu  
1
```

This is the Persons Table

```
SSN||Person_Name || Birthdate date || Race || Gender || Profession || Mailing_Address
|| Email || Home_number || Work_Number || Phone_Number || Subscription
2||Person2|1990-01-01|Asian|Female|Teacher|Address2|person2@gmail.com|456|789|123|Yes
3||Person3|1992-05-08|Middle
East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No
1||Person1|1996-02-
16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes
4||Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes
5||Person5|1991-11-
21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No
Select * from Client
```

This is the Clients Table

```
SSN || Doc_Name || Doc_Number || Att_Name || Att_Phone || Date_Assigned
```

What do you want to do?

- 1.Add new Client
  - 2.Add new Person
  - 3.Go Back
- 1

You are entering Info for a Client

Please input one of the SSNs from the Persons Table and not already present in Clients Table

1

Please enter the name of the Doctor

Person1\_doc

Please enter Doc Phone Number

111

Please enter Attorney Name

Person1\_Attorney

Please enter Attorney Phone Number

111

Please enter the date client is assigned to PAN  
month(mm):

01

day(dd):

01

year(yyyy):

2016

Select \* from Client

This is the Clients Table

```
SSN || Doc_Name || Doc_Number || Att_Name || Att_Phone || Date_Assigned
1||Person1_doc|111|Person1_Attorney|111|2016-01-01
```

This is the Team List

```
Team_Name || Team_Type || Date_Formed
Team1|Premium Assistance|2016-01-01
Team2|Copayment Assistance|2016-01-02
```

Team3|Ancillary Assistance|2016-01-03

Team4|Nursing Assistance|2016-01-04

Team5|Travel Assistance|2016-01-05

Please enter the Team Name from the above Team List you want to associate Client with

Team1

Please enter Status of the client

1.Active

2.Inactive

1

This is the Cares Table

Team\_Name || SSN || Status

Team1|1|Active

You are Entering Insurance details for the Client

Please enter the Policy ID not present in the above list

Person1\_Auto

Please enter policy Provider for the client

Company1

Please provide the Address for the Policy Provider

Address1

Please type of Policy from the following:

1.Auto

2.Life

3.Health

4.Home

1

This is the List of Insurance Policies

Policy\_ID || Provider\_ID || Provider\_Address || Insurance\_Type || SSN

Person1\_Auto||Company1||Address1||Auto||1

Select \* from Needs

This is the Needs Table

SSN || Needs || Importance

You're entering the needs of the client

Select \* from Needs

This is the Needs Table

SSN || Needs || Importance

Please select one of the following

1.Visiting

2.Shopping

3.HouseKeeping

4.Transportation

5.Yard Work

6.Food

7.Anything else

8.Done Putting needs

1

Please enter the importance of Visiting(1-10):

7

Select \* from Needs

This is the Needs Table

SSN || Needs || Importance

1|Visiting|7

Please select one of the following

1.Visiting

2.Shopping

3.HouseKeeping

4.Transportation

5.Yard Work

6.Food

7.Anything else

8.Done Putting needs

2

Please enter the importance of Shopping(1-10):

6

Select \* from Needs

This is the Needs Table

SSN || Needs || Importance

1|Visiting|7

1|Shopping|6

Please select one of the following

1.Visiting

2.Shopping

3.HouseKeeping

4.Transportation

5.Yard Work

6.Food

7.Anything else

8.Done Putting needs

4

Please enter the importance of Transportation(1-10):

9

Select \* from Needs

This is the Needs Table

SSN || Needs || Importance

1|Visiting|7

1|Shopping|6

1|Transportation|9

Please select one of the following

1.Visiting

2.Shopping

3.HouseKeeping

4.Transportation

- 5.Yard Work
- 6.Food
- 7.Anything else
- 8.Done Putting needs

8

What do you want to do?

- 1.Add new Client
- 2.Add new Person
- 3.Go Back

1

You are entering Info for a Client

Please input one of the SSNs from the Persons Table and not already present in Clients Table

2

Please enter the name of the Doctor

Person2\_doc

Please enter Doc Phone Number

222

Please enter Attorney Name

Person2\_Attorney

Please enter Attorney Phone Number

222

Please enter the date client is assigned to PAN  
month(mm):

01

day(dd):

02

year(yyyy):

2016

Select \* from Client

This is the Clients Table

SSN	Doc_Name	Doc_Number	Att_Name	Att_Phone	Date_Assigned
1	Person1_doc	111	Person1_Attorney	111	2016-01-01
2	Person2_doc	222	Person2_Attorney	222	2016-01-02

This is the Team List

Team_Name	Team_Type	Date_Formed
Team1	Premium Assistance	2016-01-01
Team2	Copayment Assistance	2016-01-02
Team3	Ancillary Assistance	2016-01-03
Team4	Nursing Assistance	2016-01-04
Team5	Travel Assistance	2016-01-05

Please enter the Team Name from the above Team List you want to associate Client with  
Team2

Please enter Status of the client

- 1.Active
- 2.Inactive

1

This is the Cares Table

```
Team_Name || SSN || Status
Team1|1|Active
Team2|2|Active
```

You are Entering Insurance details for the Client  
Please enter the Policy ID not present in the above list

Peson2\_Life

Please enter policy Provider for the client

Company2

Please provide the Address for the Policy Provider

Address2

Please type of Policy from the following:

- 1.Auto
- 2.Life
- 3.Health
- 4.Home

2

This is the List of Insurance Policies

```
Policy_ID || Provider_ID || Provider_Address || Insurance_Type || SSN
Person1_Auto||Company1||Address1||Auto||1
Peson2_Life||Company2||Address2||Life||2
Select * from Needs
```

This is the Needs Table

```
SSN || Needs || Importance
```

```
1|Visiting|7
```

```
1|Shopping|6
```

```
1|Transportation|9
```

You're entering the needs of the client

```
Select * from Needs
```

This is the Needs Table

```
SSN || Needs || Importance
```

```
1|Visiting|7
```

```
1|Shopping|6
```

```
1|Transportation|9
```

Please select one of the following

```
1.Visiting
```

```
2.Shopping
```

```
3.HouseKeeping
```

```
4.Transportation
```

```
5.Yard Work
```

```
6.Food
```

```
7.Anything else
```

```
8.Done Putting needs
```

6

Please enter the importance of Food(1-10):

5

```
Select * from Needs
```

This is the Needs Table

SSN || Needs || Importance

1|Visiting|7

1|Shopping|6

1|Transportation|9

2|Food|5

Please select one of the following

1.Visiting

2.Shopping

3.HouseKeeping

4.Transportation

5.Yard Work

6.Food

7.Anything else

8.Done Putting needs

5

Please enter the importance of Yard Work(1-10):

10

Select \* from Needs

This is the Needs Table

SSN || Needs || Importance

1|Visiting|7

1|Shopping|6

1|Transportation|9

2|Food|5

2|Yard Work|10

Please select one of the following

1.Visiting

2.Shopping

3.HouseKeeping

4.Transportation

5.Yard Work

6.Food

7.Anything else

8.Done Putting needs

8

What do you want to do?

1.Add new Client

2.Add new Person

3.Go Back

1

You are entering Info for a Client

Please input one of the SSNs from the Persons Table and not already present in Clients Table

3

Please enter the name of the Doctor

Person3\_doc

Please enter Doc Phone Number



333

Please enter Attorney Name

Person3\_Attorney

Please enter Attorney Phone Number

333

Please enter the date client is assigned to PAN

month(mm):

01

day(dd):

03

year(yyyy):

2016

Select \* from Client

This is the Clients Table

SSN	Doc_Name	Doc_Number	Att_Name	Att_Phone	Date_Assigned
3	Person3_doc	333	Person3_Attorney	333	2016-01-03
1	Person1_doc	111	Person1_Attorney	111	2016-01-01
2	Person2_doc	222	Person2_Attorney	222	2016-01-02

This is the Team List

Team_Name	Team_Type	Date_Formed
Team1	Premium Assistance	2016-01-01
Team2	Copayment Assistance	2016-01-02
Team3	Ancillary Assistance	2016-01-03
Team4	Nursing Assistance	2016-01-04
Team5	Travel Assistance	2016-01-05

Please enter the Team Name from the above Team List you want to associate Client with

Team3

Please enter Status of the client

1.Active

2.Inactive

2

This is the Cares Table

Team_Name	SSN	Status
Team3	3	Inactive
Team1	1	Active
Team2	2	Active

You are Entering Insurance details for the Client

Please enter the Policy ID not present in the above list

Person3\_Health

Please enter policy Provider for the client

Company3

Please provide the Address for the Policy Provider

Address3

Please type of Policy from the following:

1.Auto

2.Life

3.Health

4.Home

3

This is the List of Insurance Policies

```
Policy_ID || Provider_ID || Provider_Address || Insurance_Type || SSN
Person3_Health||Company3||Address3||Health||3
Person1_Auto||Company1||Address1||Auto||1
Peson2_Life||Company2||Address2||Life||2
Select * from Needs
```

This is the Needs Table

SSN || Needs || Importance

```
1|Visiting|7
1|Shopping|6
1|Transportation|9
2|Food|5
2|Yard Work|10
You're entering the needs of the client
Select * from Needs
```

This is the Needs Table

SSN || Needs || Importance

```
1|Visiting|7
1|Shopping|6
1|Transportation|9
2|Food|5
2|Yard Work|10
Please select one of the following
1.Visiting
2.Shopping
3.HouseKeeping
4.Transportation
5.Yard Work
6.Food
7.Anything else
8.Done Putting needs
```

1

Please enter the importance of Visiting(1-10):

10

Select \* from Needs

This is the Needs Table

SSN || Needs || Importance

```
1|Visiting|7
1|Shopping|6
1|Transportation|9
2|Food|5
2|Yard Work|10
3|Visiting|10
```

Please select one of the following

- 1.Visiting
- 2.Shopping
- 3.HouseKeeping
- 4.Transportation
- 5.Yard Work
- 6.Food
- 7.Anything else
- 8.Done Putting needs

4

Please enter the importance of Transportation(1-10):

10

Select \* from Needs

This is the Needs Table

SSN || Needs || Importance

```
1|Visiting|7
1|Shopping|6
1|Transportation|9
2|Food|5
2|Yard Work|10
3|Visiting|10
3|Transportation|10
```

Please select one of the following

- 1.Visiting
- 2.Shopping
- 3.HouseKeeping
- 4.Transportation
- 5.Yard Work
- 6.Food
- 7.Anything else
- 8.Done Putting needs

5

Please enter the importance of Yard Work(1-10):

3

Select \* from Needs

This is the Needs Table

SSN || Needs || Importance

```
1|Visiting|7
1|Shopping|6
1|Transportation|9
2|Food|5
2|Yard Work|10
3|Visiting|10
3|Transportation|10
3|Yard Work|3
```

Please select one of the following

- 1.Visiting
- 2.Shopping
- 3.HouseKeeping

- 4.Transportation
- 5.Yard Work
- 6.Food
- 7.Anything else
- 8.Done Putting needs

8

What do you want to do?

- 1.Add new Client
- 2.Add new Person
- 3.Go Back

1

You are entering Info for a Client

Please input one of the SSNs from the Persons Table and not already present in Clients Table

4

Please enter the name of the Doctor

Person4\_doc

Please enter Doc Phone Number

444

Please enter Attorney Name

Person4\_Attorney

Please enter Attorney Phone Number

444

Please enter the date client is assigned to PAN

month(mm):

01

day(dd):

04

year(yyyy):

2016

Select \* from Client

This is the Clients Table

SSN	Doc_Name	Doc_Number	Att_Name	Att_Phone	Date_Assigned
3	Person3_doc	333	Person3_Attorney	333	2016-01-03
1	Person1_doc	111	Person1_Attorney	111	2016-01-01
2	Person2_doc	222	Person2_Attorney	222	2016-01-02
4	Person4_doc	444	Person4_Attorney	444	2016-01-04

This is the Team List

Team_Name	Team_Type	Date_Formed
Team1	Premium Assistance	2016-01-01
Team2	Copayment Assistance	2016-01-02
Team3	Ancillary Assistance	2016-01-03
Team4	Nursing Assistance	2016-01-04
Team5	Travel Assistance	2016-01-05

Please enter the Team Name from the above Team List you want to associate Client with

Team4

Please enter Status of the client

- 1.Active
- 2.Inactive

1

This is the Cares Table

```
Team_Name || SSN || Status
Team3|3|Inactive
Team1|1|Active
Team2|2|Active
Team4|4|Active
```

You are Entering Insurance details for the Client  
Please enter the Policy ID not present in the above list

Person4\_Home

Please enter policy Provider for the client

Company4

Please provide the Address for the Policy Provider

Address4

Please type of Policy from the following:

1.Auto  
2.Life  
3.Health  
4.Home

4

This is the List of Insurance Policies

```
Policy_ID || Provider_ID || Provider_Address || Insurance_Type || SSN
Person3_Health||Company3||Address3||Health||3
Person1_Auto||Company1||Address1||Auto||1
Peson2_Life||Company2||Address2||Life||2
Person4_Home||Comany4||Address4||Home||4
Select * from Needs
```

This is the Needs Table

SSN || Needs || Importance

```
1|Visiting|7
1|Shopping|6
1|Transportation|9
2|Food|5
2|Yard Work|10
3|Visiting|10
3|Transportation|10
3|Yard Work|3
You're entering the needs of the client
Select * from Needs
```

This is the Needs Table

SSN || Needs || Importance

```
1|Visiting|7
1|Shopping|6
1|Transportation|9
2|Food|5
```

2|Yard Work|10  
 3|Visiting|10  
 3|Transportation|10  
 3|Yard Work|3  
 Please select one of the following  
 1.Visiting  
 2.Shopping  
 3.HouseKeeping  
 4.Transportation  
 5.Yard Work  
 6.Food  
 7.Anything else  
 8.Done Putting needs  
 7  
 Please enter any need apart from the listed  
 Books  
 Please enter the importance of Books(1-10):  
 6  
 Select \* from Needs

This is the Needs Table

SSN || Needs || Importance

1|Visiting|7  
 1|Shopping|6  
 1|Transportation|9  
 2|Food|5  
 2|Yard Work|10  
 3|Visiting|10  
 3|Transportation|10  
 3|Yard Work|3  
 4|Books|6  
 Please select one of the following  
 1.Visiting  
 2.Shopping  
 3.HouseKeeping  
 4.Transportation  
 5.Yard Work  
 6.Food  
 7.Anything else  
 8.Done Putting needs  
 4  
 Please enter the importance of Transportation(1-10):  
 6  
 Select \* from Needs

This is the Needs Table

SSN || Needs || Importance

1|Visiting|7  
 1|Shopping|6  
 1|Transportation|9  
 2|Food|5

2|Yard Work|10  
 3|Visiting|10  
 3|Transportation|10  
 3|Yard Work|3  
 4|Books|6  
 4|Transportation|6  
 Please select one of the following  
 1.Visiting  
 2.Shopping  
 3.HouseKeeping  
 4.Transportation  
 5.Yard Work  
 6.Food  
 7.Anything else  
 8.Done Putting needs  
 1  
 Please enter the importance of Visiting(1-10):  
 3  
 Select \* from Needs

This is the Needs Table

SSN || Needs || Importance

1|Visiting|7  
 1|Shopping|6  
 1|Transportation|9  
 2|Food|5  
 2|Yard Work|10  
 3|Visiting|10  
 3|Transportation|10  
 3|Yard Work|3  
 4|Books|6  
 4|Transportation|6  
 4|Visiting|3  
 Please select one of the following  
 1.Visiting  
 2.Shopping  
 3.HouseKeeping  
 4.Transportation  
 5.Yard Work  
 6.Food  
 7.Anything else  
 8.Done Putting needs  
 8  
 What do you want to do?  
 1.Add new Client  
 2.Add new Person  
 3.Go Back  
 1

You are entering Info for a Client  
 Please input one of the SSNs from the Persons Table and not already present in  
 Clients Table  
 5

Please enter the name of the Doctor

Person5\_doc

Please enter Doc Phone Number

555

Please enter Attorney Name

Person5\_Attorney

Please enter Attorney Phone Number

555

Please enter the date client is assigned to PAN  
month(mm):

01

day(dd):

05

year(yyyy):

2016

Select \* from Client

This is the Clients Table

SSN	Doc_Name	Doc_Number	Att_Name	Att_Phone	Date_Assigned
3	Person3_doc	333	Person3_Attorney	333	2016-01-03
1	Person1_doc	111	Person1_Attorney	111	2016-01-01
2	Person2_doc	222	Person2_Attorney	222	2016-01-02
4	Person4_doc	444	Person4_Attorney	444	2016-01-04
5	Person5_doc	555	Person5_Attorney	555	2016-01-05

This is the Team List

Team_Name	Team_Type	Date_Formed
Team1	Premium Assistance	2016-01-01
Team2	Copayment Assistance	2016-01-02
Team3	Ancillary Assistance	2016-01-03
Team4	Nursing Assistance	2016-01-04
Team5	Travel Assistance	2016-01-05

Please enter the Team Name from the above Team List you want to associaite Client with

Team5

Please enter Status of the client

1.Active

2.Inactive

2

This is the Cares Table

Team_Name	SSN	Status
Team3	3	Inactive
Team1	1	Active
Team2	2	Active
Team4	4	Active
Team5	5	Inactive

You are Entering Insurance details for the Client

Please enter the Policy ID not present in the above list

Person5\_Life

Please enter policy Provider for the client



Company5

Please provide the Address for the Policy Provider

Address5

Please type of Policy from the following:

- 1.Auto
- 2.Life
- 3.Health
- 4.Home

2

This is the List of Insurance Policies

```
Policy_ID || Provider_ID || Provider_Address || Insurance_Type || SSN
Person3_Health|Company3|Address3|Health|3
Person1_Auto|Company1|Address1|Auto|1
Peson2_Life|Company2|Address2|Life|2
Person4_Home|Comany4|Address4|Home|4
Person5_Life|Company5|Address5|Life|5
Select * from Needs
```

This is the Needs Table

SSN || Needs || Importance

```
1|Visiting|7
1|Shopping|6
1|Transportation|9
2|Food|5
2|Yard Work|10
3|Visiting|10
3|Transportation|10
3|Yard Work|3
4|Books|6
4|Transportation|6
4|Visiting|3
You're entering the needs of the client
Select * from Needs
```

This is the Needs Table

SSN || Needs || Importance

```
1|Visiting|7
1|Shopping|6
1|Transportation|9
2|Food|5
2|Yard Work|10
3|Visiting|10
3|Transportation|10
3|Yard Work|3
4|Books|6
4|Transportation|6
4|Visiting|3
Please select one of the following
1.Visiting
2.Shopping
```

- 3.HouseKeeping
- 4.Transportation
- 5.Yard Work
- 6.Food
- 7.Anything else
- 8.Done Putting needs

2

Please enter the importance of Shopping(1-10):

9

Select \* from Needs

This is the Needs Table

SSN || Needs || Importance

1|Visiting|7  
 1|Shopping|6  
 1|Transportation|9  
 2|Food|5  
 2|Yard Work|10  
 3|Visiting|10  
 3|Transportation|10  
 3|Yard Work|3  
 4|Books|6  
 4|Transportation|6  
 4|Visiting|3  
 5|Shopping|9

Please select one of the following

- 1.Visiting
- 2.Shopping
- 3.HouseKeeping
- 4.Transportation
- 5.Yard Work
- 6.Food
- 7.Anything else
- 8.Done Putting needs

5

Please enter the importance of Yard Work(1-10):

8

Select \* from Needs

This is the Needs Table

SSN || Needs || Importance

1|Visiting|7  
 1|Shopping|6  
 1|Transportation|9  
 2|Food|5  
 2|Yard Work|10  
 3|Visiting|10  
 3|Transportation|10  
 3|Yard Work|3  
 4|Books|6  
 4|Transportation|6

4|Visiting|3  
 5|Shopping|9  
 5|Yard Work|8  
 Please select one of the following  
 1.Visiting  
 2.Shopping  
 3.HouseKeeping  
 4.Transportation  
 5.Yard Work  
 6.Food  
 7.Anything else  
 8.Done Putting needs

2

Please enter the importance of Shopping(1-10):

10

Please select one of the following  
 1.Visiting  
 2.Shopping  
 3.HouseKeeping  
 4.Transportation  
 5.Yard Work  
 6.Food  
 7.Anything else  
 8.Done Putting needs

Showing Error because of Unique Constraint Error 1 of 3

[java.sql.SQLIntegrityConstraintViolationException](#): ORA-00001: unique constraint (KADI0000.SYS\_C00188354) violated

```

    at oracle.jdbc.driver.T4CTTIoer.processError(T4CTTIoer.java:450)
    at oracle.jdbc.driver.T4CTTIoer.processError(T4CTTIoer.java:399)
    at oracle.jdbc.driver.T4C8Oall.processError(T4C8Oall.java:1059)
    at oracle.jdbc.driver.T4CTTIfun.receive(T4CTTIfun.java:522)
    at oracle.jdbc.driver.T4CTTIfun.doRPC(T4CTTIfun.java:257)
    at oracle.jdbc.driver.T4C8Oall.doOALL(T4C8Oall.java:587)
    at oracle.jdbc.driver.T4CStatement.doOall8(T4CStatement.java:210)
    at oracle.jdbc.driver.T4CStatement.doOall8(T4CStatement.java:30)
    at oracle.jdbc.driver.T4CStatement.executeForRows(T4CStatement.java:931)
    at
oracle.jdbc.driver.OracleStatement.doExecuteWithTimeout(OracleStatement.java:1150)
    at oracle.jdbc.driver.OracleStatement.executeQuery(OracleStatement.java:1309)
    at
oracle.jdbc.driver.OracleStatementWrapper.executeQuery(OracleStatementWrapper.java:42
2)
    at
individual_Project.IP_Kadiyala_Prithviraj.option2(IP_Kadiyala_Prithviraj.java:335)
    at
individual_Project.IP_Kadiyala_Prithviraj.main(IP_Kadiyala_Prithviraj.java:74)

```

8

What do you want to do?

1.Add new Client  
 2.Add new Person  
 3.Go Back

3

What do you want to do ?

1. Add new Client
2. Associate Client with a team
3. Add new Insurances for Clients
4. Add needs for the Client
5. Main Menu

5

-----  
-----  
Welcome to the Database of Individual Project of Prithviraj Kadiyala  
-----  
-----

Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by  
an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be  
sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked  
the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation  
is less than 5
18. Quit

### 6.3 Script File Showing Execution of Query 3

```
-----  
-----  
Welcome to the Database of Individual Project of Prithviraj Kadiyala  
-----  
-----  
Please Enter you option(1-17):  
1. Enter a new team into the database  
2. Enter a new client into the database and associate him or her with one or more  
teams  
3. Enter a new volunteer into the database and associate him or her with one or more  
teams  
4. Enter the number of hours a volunteer worked this month for a particular team  
5. Enter a new employee into the database and associate him or her with one or more  
teams  
6. Enter an expense charged by an employee  
7. Enter a new organization and associate it to one or more PAN teams  
8. Enter a new donor and associate him or her with several donations.  
9. Enter a new organization and associate it with several donations  
10. Retrieve the name and phone number of the doctor of a particular client  
11. Retrieve the total amount of expenses charged by each employee for a particular  
period of time.  
The list should be sorted by the total amount of expenses  
12. Retrieve the list of volunteers that are members of teams that support a  
particular client  
13. Retrieve the names and contact information of the clients that are supported by  
teams sponsored by  
an organization whose name starts with a letter between B and K. The client list  
should be sorted by name  
14. Retrieve the name and total amount donated by donors that are also employees. The  
list should be  
sorted by the total amount of the donations, and indicate if each donor wishes to  
remain anonymous  
15. For each team, retrieve the name and associated contact information of the  
volunteer that has worked  
the most total hours between March and June  
16. Increase the salary by 10% of all employees to whom more than one team must  
report  
17. Delete all clients who do not have health insurance and whose value of importance  
for transportation  
is less than 5  
18. Quit
```

3

This is the Persons Table

```
SSN||Person_Name || Birthdate date || Race || Gender || Profession || Mailing_Address  
|| Email || Home_number || Work_Number || Phone_Number || Subscription  
2||Person2|1990-01-01|Asian|Female|Teacher|Address2|person2@gmail.com|456|789|123|Yes
```

```

3| |Person3|1992-05-08|Middle
East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No
1| |Person1|1996-02-
16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes
4| |Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes
5| |Person5|1991-11-
21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No
Please Choose
(Please Exit and select option 4 for Entering Month and hours for a volunteer)
1.Enter a new Person
2.Enter a new Volunteer
3.Enter Volunteer Status
4.Exit
1
You are entering details for Person
Please Enter SSN:
6
Enter Person's Name
Person6
Please enter the birthdate of the Person
month(mm):
09
day(dd):
03
year(yyyy):
1994
Please select race of the person:
1.American
2.Asian
3.Middle East
4.Europe
5.Africa
2
Please enter the gender of the person
1. Male
2.Female
2
Please Enter Profession of the person
Singer
Please enter the mailing address of the person
Address6
Please Enter the Email ID of the person
person6@gmail.com
Enter the Home number of the person
666
Enter the Work number of the person
666
Enter the Phone number of the person
666
Is the person subscribed to the mailing list?
1.Yes
2.No
1
INSERT INTO
Person(SSN,Person_Name,Birthdate,Race,Gender,Profession,Mailing_Address,Email,Home_nu

```

```
mber,Work_Number,Phone_Number,Subscription) VALUES(6,'Person6', TO_DATE('09-03-1994',
'MM-DD-YYYY'),'Asian', 'Female', 'Singer','Address6', 'person6@gmail.com',666,666,666
,'Yes')
```

Information has been added to the persons table

This is the Persons Table

```
SSN|Person_Name || Birthdate date || Race || Gender || Profession || Mailing_Address
|| Email || Home_number || Work_Number || Phone_Number || Subscription
6|Person6|1994-09-03|Asian|Female|Singer|Address6|person6@gmail.com|666|666|666|Yes
2|Person2|1990-01-01|Asian|Female|Teacher|Address2|person2@gmail.com|456|789|123|Yes
3|Person3|1992-05-08|Middle
East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No
1|Person1|1996-02-
16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes
4|Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes
5|Person5|1991-11-
21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No
```

This is the Persons Table

```
SSN|Person_Name || Birthdate date || Race || Gender || Profession || Mailing_Address
|| Email || Home_number || Work_Number || Phone_Number || Subscription
6|Person6|1994-09-03|Asian|Female|Singer|Address6|person6@gmail.com|666|666|666|Yes
2|Person2|1990-01-01|Asian|Female|Teacher|Address2|person2@gmail.com|456|789|123|Yes
3|Person3|1992-05-08|Middle
East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No
1|Person1|1996-02-
16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes
4|Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes
5|Person5|1991-11-
21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No
```

Please Choose

(Please Exit and select option 4 for Entering Month and hours for a volunteer)

- 1.Enter a new Person
- 2.Enter a new Volunteer
- 3.Enter Volunteer Status
- 4.Exit

2

You are now entering Volunteer Data

Please enter volunteer SSN

6

Please enter the date volunteer joined

month(mm):

09

day(dd):

03

year(yyyy):

2005

Please enter the date Volunteer's Recent Training Course Date

month(mm):

09

day(dd):

03

year(yyyy):

2010

Please input the Recent Training Course Recent Training Course Location

Dallas

This is the List of Volunteers

SSN	Date_Joined	Recent_Date	Recent_Location
6	2005-09-03	2010-09-03	Dallas

This is the Team List

Team_Name	Team_Type	Date_Formed
Team1	Premium Assistance	2016-01-01
Team2	Copayment Assistance	2016-01-02
Team3	Ancillary Assistance	2016-01-03
Team4	Nursing Assistance	2016-01-04
Team5	Travel Assistance	2016-01-05

Please Enter the team name you want to associate with

Team1

Please enter a month he has worked for:

1. January

2. February

3. March

4. April

5. May

6. June

7. July

8. August

9. September

10. October

11. November

12. December

3

Please enter the number of hours volunteer has worked for that month

40

This is the List of Volunteers Serving on Teams

SSN	Team_Name	Month	Hours_per_Week
6	Team1	01-Mar-16	40

Is the volunteer Active or not for that team?

1. Yes

2. No

1

This is the List of Volunteers Statuses

SSN	Team_Name	Active
6	Team1	Yes

This is the Persons Table

SSN	Person_Name	Birthdate date	Race	Gender	Profession	Mailing_Address	Email	Home_number	Work_Number	Phone_Number	Subscription
6	Person6	1994-09-03	Asian	Female	Singer	Address6	person6@gmail.com	666	666	666	Yes
2	Person2	1990-01-01	Asian	Female	Teacher	Address2	person2@gmail.com	456	789	123	Yes



```

3| |Person3|1992-05-08|Middle
East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No
1| |Person1|1996-02-
16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes
4| |Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes
5| |Person5|1991-11-
21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No
Please Choose
(Please Exit and select option 4 for Entering Month and hours for a volunteer)
1.Enter a new Person
2.Enter a new Volunteer
3.Enter Volunteer Status
4.Exit
1
You are entering details for Person
Please Enter SSN:
7
Enter Person's Name
Person7
Please enter the birthdate of the Person
month(mm):
06
day(dd):
05
year(yyyy):
1993
Please select race of the person:
1.American
2.Asian
3.Middle East
4.Europe
5.Africa
1
Please enter the gender of the person
1. Male
2.Female
2
Please Enter Profession of the person
Attorney
Please enter the mailing address of the person
Address7
Please Enter the Email ID of the person
person7@gmail.com
Enter the Home number of the person
777
Enter the Work number of the person
777
Enter the Phone number of the person
777
Is the person subscribed to the mailing list?
1.Yes
2.No
2
INSERT INTO
Person(SSN,Person_Name,Birthdate,Race,Gender,Profession,Mailing_Address,Email,Home_nu

```

```
mber,Work_Number,Phone_Number,Subscription) VALUES(7,'Person7', TO_DATE('06-05-1993',
'MM-DD-YYYY'),'American', 'Female', 'Attorney','Address7',
'person7@gmail.com',777,777,777 ,'No')
```

Information has been added to the persons table

This is the Persons Table

```
SSN|Person_Name || Birthdate date || Race || Gender || Profession || Mailing_Address
|| Email || Home_number || Work_Number || Phone_Number || Subscription
6|Person6|1994-09-03|Asian|Female|Singer|Address6|person6@gmail.com|666|666|666|Yes
7|Person7|1993-06-
05|American|Female|Attorney|Address7|person7@gmail.com|777|777|777|No
2|Person2|1990-01-01|Asian|Female|Teacher|Address2|person2@gmail.com|456|789|123|Yes
3|Person3|1992-05-08|Middle
East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No
1|Person1|1996-02-
16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes
4|Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes
5|Person5|1991-11-
21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No
```

This is the Persons Table

```
SSN|Person_Name || Birthdate date || Race || Gender || Profession || Mailing_Address
|| Email || Home_number || Work_Number || Phone_Number || Subscription
6|Person6|1994-09-03|Asian|Female|Singer|Address6|person6@gmail.com|666|666|666|Yes
7|Person7|1993-06-
05|American|Female|Attorney|Address7|person7@gmail.com|777|777|777|No
2|Person2|1990-01-01|Asian|Female|Teacher|Address2|person2@gmail.com|456|789|123|Yes
3|Person3|1992-05-08|Middle
East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No
1|Person1|1996-02-
16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes
4|Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes
5|Person5|1991-11-
21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No
```

Please Choose

(Please Exit and select option 4 for Entering Month and hours for a volunteer)

- 1.Enter a new Person
- 2.Enter a new Volunteer
- 3.Enter Volunteer Status
- 4.Exit

2

You are now entering Volunteer Data

Please enter volunteer SSN

7

Please enter the date volunteer joined

month(mm):

06

day(dd):

05

year(yyyy):

2005

Please enter the date Volunteer's Recent Training Course Date

month(mm):

06

day(dd):

05

year(yyyy):

2010

Please input the Recent Training Course Recent Training Course Location

Austin

This is the List of Volunteers

SSN || Date\_Joined || Recent\_Date || Recent\_Location

6|2005-09-03|2010-09-03|Dallas

7|2005-06-05|2010-06-05|Austin

This is the Team List

Team\_Name || Team\_Type || Date\_Formed

Team1|Premium Assistance|2016-01-01

Team2|Copayment Assistance|2016-01-02

Team3|Ancillary Assistance|2016-01-03

Team4|Nursing Assistance|2016-01-04

Team5|Travel Assistance|2016-01-05

Please Enter the team name you want to associate with

Team2

Please enter a month he has worked for:

1.January

2.February

3.March

4.April

5.May

6.June

7.July

8.August

9.September

10.October

11.November

12.December

10

Please enter the number of hours volunteer has worked for that month

80

This is the List of Volunteers Serving on Teams

SSN || Team\_Name || Month || Hours\_per\_Week

6|Team1|01-Mar-16|40

7|Team2|01-Oct-16|80

Is the volunteer Active or not for that team?

1.Yes

2.No

2

This is the List of Volunteers Statuses

SSN || Team\_Name || Active

6|Team1|Yes

7|Team2|No

This is the Persons Table

```
SSN|Person_Name || Birthdate date || Race || Gender || Profession || Mailing_Address
|| Email || Home_number || Work_Number || Phone_Number || Subscription
6|Person6|1994-09-03|Asian|Female|Singer|Address6|person6@gmail.com|666|666|666|Yes
7|Person7|1993-06-05|American|Female|Attorney|Address7|person7@gmail.com|777|777|777|No
2|Person2|1990-01-01|Asian|Female|Teacher|Address2|person2@gmail.com|456|789|123|Yes
3|Person3|1992-05-08|Middle East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No
1|Person1|1996-02-16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes
4|Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes
5|Person5|1991-11-21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No
```

Please Choose

(Please Exit and select option 4 for Entering Month and hours for a volunteer)

- 1.Enter a new Person
- 2.Enter a new Volunteer
- 3.Enter Volunteer Status
- 4.Exit

1

You are entering details for Person

Please Enter SSN:

8

Enter Person's Name

Person8

Please enter the birthdate of the Person  
month(mm):

05

day(dd):

04

year(yyyy):

1990

Please select race of the person:

- 1.American
- 2.Asian
- 3.Middle East
- 4.Europe
- 5.Africa

4

Please enter the gender of the person

1. Male
- 2.Female

1

Please Enter Profession of the person

Mechanic

Please enter the mailing address of the person

Address8

Please Enter the Email ID of the person

person8@gmail.com

Enter the Home number of the person

888

Enter the Work number of the person

888

Enter the Phone number of the person

888

Is the person subscribed to the mailing list?

1.Yes

2.No

2

INSERT INTO

```
Person(SSN,Person_Name,Birthdate,Race,Gender,Profession,Mailing_Address,Email,Home_number,Work_Number,Phone_Number,Subscription) VALUES(8,'Person8', TO_DATE('05-04-1990','MM-DD-YYYY'),'Europe','Male','Mechanic','Address8','person8@gmail.com',888,888,888,'No')
```

Information has been added to the persons table

This is the Persons Table

SSN	Person_Name	Birthdate date	Race	Gender	Profession	Mailing_Address	Email	Home_number	Work_Number	Phone_Number	Subscription
6	Person6	1994-09-03	Asian	Female	Singer	Address6	person6@gmail.com	666	666	666	Yes
7	Person7	1993-06-05	American	Female	Attorney	Address7	person7@gmail.com	777	777	777	No
2	Person2	1990-01-01	Asian	Female	Teacher	Address2	person2@gmail.com	456	789	123	Yes
3	Person3	1992-05-08	Middle East	Male	Analyst	Address3	person3@gmail.com	333	333	333	No
1	Person1	1996-02-16	American	Male	Professor	Address1	person1@gmail.com	123	456	789	Yes
4	Person4	1995-09-15	Europe	Male	Plumber	Address4	person4@gmail.com	444	444	444	Yes
5	Person5	1991-11-21	Africa	Female	Astronaut	Address5	person5@gmail.com	555	555	555	No
8	Person8	1990-05-04	Europe	Male	Mechanic	Address8	person8@gmail.com	888	888	888	No

This is the Persons Table

SSN	Person_Name	Birthdate date	Race	Gender	Profession	Mailing_Address	Email	Home_number	Work_Number	Phone_Number	Subscription
6	Person6	1994-09-03	Asian	Female	Singer	Address6	person6@gmail.com	666	666	666	Yes
7	Person7	1993-06-05	American	Female	Attorney	Address7	person7@gmail.com	777	777	777	No
2	Person2	1990-01-01	Asian	Female	Teacher	Address2	person2@gmail.com	456	789	123	Yes
3	Person3	1992-05-08	Middle East	Male	Analyst	Address3	person3@gmail.com	333	333	333	No
1	Person1	1996-02-16	American	Male	Professor	Address1	person1@gmail.com	123	456	789	Yes
4	Person4	1995-09-15	Europe	Male	Plumber	Address4	person4@gmail.com	444	444	444	Yes
5	Person5	1991-11-21	Africa	Female	Astronaut	Address5	person5@gmail.com	555	555	555	No
8	Person8	1990-05-04	Europe	Male	Mechanic	Address8	person8@gmail.com	888	888	888	No

Please Choose

(Please Exit and select option 4 for Entering Month and hours for a volunteer)

1.Enter a new Person

2.Enter a new Volunteer

3.Enter Volunteer Status

4.Exit

2

You are now entering Volunteer Data

Please enter volunteer SSN

8

Please enter the date volunteer joined

month(mm):

05

day(dd):

04

year(yyyy):

2005

Please enter the date Volunteer's Recent Training Course Date

month(mm):

05

day(dd):

04

year(yyyy):

2010

Please input the Recent Training Course Recent Training Course Location

Kansas City

This is the List of Volunteers

SSN	Date_Joined	Recent_Date	Recent_Location
-----	-------------	-------------	-----------------

6	2005-09-03	2010-09-03	Dallas
---	------------	------------	--------

7	2005-06-05	2010-06-05	Austin
---	------------	------------	--------

8	2005-05-04	2010-05-04	Kansas City
---	------------	------------	-------------

This is the Team List

Team_Name	Team_Type	Date_Formed
-----------	-----------	-------------

Team1	Premium Assistance	2016-01-01
-------	--------------------	------------

Team2	Copayment Assistance	2016-01-02
-------	----------------------	------------

Team3	Ancillary Assistance	2016-01-03
-------	----------------------	------------

Team4	Nursing Assistance	2016-01-04
-------	--------------------	------------

Team5	Travel Assistance	2016-01-05
-------	-------------------	------------

Please Enter the team name you want to associate with

Team4

Please enter a month he has worked for:

1. January

2. February

3. March

4. April

5. May

6. June

7. July

8. August

9. September

10. October

11. November

12. December

8

Please enter the number of hours volunteer has worked for that month

45

This is the List of Volunteers Serving on Teams

```

SSN || Team_Name || Month || Hours_per_Week
6|Team1|01-Mar-16|40
7|Team2|01-Oct-16|80
8|Team4|01-Aug-16|45
Is the volunteer Active or not for that team?

```

```

1.Yes
2.No

```

```

1

```

This is the List of Volunteers Statuses

```

SSN || Team_Name || Active
6|Team1|Yes
7|Team2|No
8|Team4|Yes

```

This is the Persons Table

```

SSN|Person_Name || Birthdate date || Race || Gender || Profession || Mailing_Address
|| Email || Home_number || Work_Number || Phone_Number || Subscription
6|Person6|1994-09-03|Asian|Female|Singer|Address6|person6@gmail.com|666|666|666|Yes
7|Person7|1993-06-
05|American|Female|Attorney|Address7|person7@gmail.com|777|777|777|No
2|Person2|1990-01-01|Asian|Female|Teacher|Address2|person2@gmail.com|456|789|123|Yes
3|Person3|1992-05-08|Middle
East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No
1|Person1|1996-02-
16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes
4|Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes
5|Person5|1991-11-
21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No
8|Person8|1990-05-04|Europe|Male|Mechanic|Address8|person8@gmail.com|888|888|888|No
Please Choose

```

(Please Exit and select option 4 for Entering Month and hours for a volunteer)

```

1.Enter a new Person
2.Enter a new Volunteer
3.Enter Volunteer Status
4.Exit

```

```

1

```

You are entering details for Person

Please Enter SSN:

```

9

```

Enter Person's Name

Person9

Please enter the birthdate of the Person

month(mm):

```

09

```

day(dd):

```

05

```

year(yyyy):

1994

Please select race of the person:

```

1.American
2.Asian
3.Middle East
4.Europe

```

5.Africa  
5  
Please enter the gender of the person  
1. Male  
2.Female  
2  
Please Enter Profession of the person  
Scientist  
Please enter the mailing address of the person  
Address9  
Please Enter the Email ID of the person  
person9@gmail.com  
Enter the Home number of the person  
999  
Enter the Work number of the person  
999  
Enter the Phone number of the person  
999  
Is the person subscribed to the mailing list?  
1.Yes  
2.No  
1  
INSERT INTO  
Person(SSN,Person\_Name,Birthdate,Race,Gender,Profession,Mailing\_Address,Email,Home\_number,Work\_Number,Phone\_Number,Subscription) VALUES(9,'Person9', TO\_DATE('09-05-1994','MM-DD-YYYY'),'Africa', 'Female', 'Scientist','Address9', 'person9@gmail.com',999,999,999 ,'Yes')

Information has been added to the persons table

This is the Persons Table

SSN	Person_Name	Birthdate date	Race	Gender	Profession	Mailing_Address	Email	Home_number	Work_Number	Phone_Number	Subscription
6	Person6	1994-09-03	Asian	Female	Singer	Address6	person6@gmail.com	666	666	666	Yes
7	Person7	1993-06-05	American	Female	Attorney	Address7	person7@gmail.com	777	777	777	No
2	Person2	1990-01-01	Asian	Female	Teacher	Address2	person2@gmail.com	456	789	123	Yes
3	Person3	1992-05-08	Middle East	Male	Analyst	Address3	person3@gmail.com	333	333	333	No
1	Person1	1996-02-16	American	Male	Professor	Address1	person1@gmail.com	123	456	789	Yes
4	Person4	1995-09-15	Europe	Male	Plumber	Address4	person4@gmail.com	444	444	444	Yes
5	Person5	1991-11-21	Africa	Female	Astronaut	Address5	person5@gmail.com	555	555	555	No
8	Person8	1990-05-04	Europe	Male	Mechanic	Address8	person8@gmail.com	888	888	888	No
9	Person9	1994-09-05	Africa	Female	Scientist	Address9	person9@gmail.com	999	999	999	Yes

This is the Persons Table

SSN	Person_Name	Birthdate date	Race	Gender	Profession	Mailing_Address	Email	Home_number	Work_Number	Phone_Number	Subscription
6	Person6	1994-09-03	Asian	Female	Singer	Address6	person6@gmail.com	666	666	666	Yes



```

7|Person7|1993-06-
05|American|Female|Attorney|Address7|person7@gmail.com|777|777|777|No
2|Person2|1990-01-01|Asian|Female|Teacher|Address2|person2@gmail.com|456|789|123|Yes
3|Person3|1992-05-08|Middle
East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No
1|Person1|1996-02-
16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes
4|Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes
5|Person5|1991-11-
21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No
8|Person8|1990-05-04|Europe|Male|Mechanic|Address8|person8@gmail.com|888|888|888|No
9|Person9|1994-09-
05|Africa|Female|Scientist|Address9|person9@gmail.com|999|999|999|Yes
Please Choose

```

(Please Exit and select option 4 for Entering Month and hours for a volunteer)

```

1.Enter a new Person
2.Enter a new Volunteer
3.Enter Volunteer Status
4.Exit

```

2

You are now entering Volunteer Data

Please enter volunteer SSN

9

Please enter the date volunteer joined

month(mm):

09

day(dd):

08

year(yyyy):

2005

Please enter the date Volunteer's Recent Training Course Date

month(mm):

09

day(dd):

08

year(yyyy):

2010

Please input the Recent Training Course Recent Training Course Location

Oklahoma City

This is the List of Volunteers

SSN	Date_Joined	Recent_Date	Recent_Location
6 2005-09-03 2010-09-03 Dallas			
7 2005-06-05 2010-06-05 Austin			
8 2005-05-04 2010-05-04 Kansas City			
9 2005-09-08 2010-09-08 Oklahoma City			

This is the Team List

Team_Name	Team_Type	Date_Formed
Team1 Premium Assistance 2016-01-01		
Team2 Copayment Assistance 2016-01-02		
Team3 Ancillary Assistance 2016-01-03		
Team4 Nursing Assistance 2016-01-04		

Team5|Travel Assistance|2016-01-05

Please Enter the team name you want to associate with

Team4

Please enter a month he has worked for:

- 1.January
- 2.February
- 3.March
- 4.April
- 5.May
- 6.June
- 7.July
- 8.August
- 9.September
- 10.October
- 11.November
- 12.December

5

Please enter the number of hours volunteer has worked for that month

70

This is the List of Volunteers Serving on Teams

SSN || Team\_Name || Month || Hours\_per\_Week

6|Team1|01-Mar-16|40

7|Team2|01-Oct-16|80

8|Team4|01-Aug-16|45

9|Team4|01-May-16|70

Is the volunteer Active or not for that team?

1.Yes

2.No

1

This is the List of Volunteers Statuses

SSN || Team\_Name || Active

6|Team1|Yes

7|Team2|No

8|Team4|Yes

9|Team4|Yes

This is the Persons Table

SSN||Person\_Name || Birthdate date || Race || Gender || Profession || Mailing\_Address

|| Email || Home\_number || Work\_Number || Phone\_Number || Subscription

6|Person6|1994-09-03|Asian|Female|Singer|Address6|person6@gmail.com|666|666|666|Yes

7|Person7|1993-06-

05|American|Female|Attorney|Address7|person7@gmail.com|777|777|777|No

2|Person2|1990-01-01|Asian|Female|Teacher|Address2|person2@gmail.com|456|789|123|Yes

3|Person3|1992-05-08|Middle

East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No

1|Person1|1996-02-

16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes

4|Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes

5|Person5|1991-11-

21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No

8|Person8|1990-05-04|Europe|Male|Mechanic|Address8|person8@gmail.com|888|888|888|No

```

9||Person9|1994-09-
05|Africa|Female|Scientist|Address9|person9@gmail.com|999|999|999|Yes
Please Choose
(Please Exit and select option 4 for Entering Month and hours for a volunteer)
1.Enter a new Person
2.Enter a new Volunteer
3.Enter Volunteer Status
4.Exit
1
You are entering details for Person
Please Enter SSN:
10
Enter Person's Name
Person10
Please enter the birthdate of the Person
month(mm):
08
day(dd):
02
year(yyyy):
1991
Please select race of the person:
1.American
2.Asian
3.Middle East
4.Europe
5.Africa
2
Please enter the gender of the person
1. Male
2.Female
2
Please Enter Profession of the person
Pilot
Please enter the mailing address of the person
person10@gmail.com
Please Enter the Email ID of the person
person10@gmail.com
Enter the Home number of the person
101010
Enter the Work number of the person
101010
Enter the Phone number of the person
101010
Is the person subscribed to the mailing list?
1.Yes
2.No
1
INSERT INTO
Person(SSN,Person_Name,Birthdate,Race,Gender,Profession,Mailing_Address,Email,Home_nu
mber,Work_Number,Phone_Number,Subscription) VALUES(10,'Person10', TO_DATE('08-02-
1991', 'MM-DD-YYYY'),'Asian', 'Female', 'Pilot','person10@gmail.com',
'person10@gmail.com',101010,101010,101010 ,'Yes')

Information has been added to the persons table

```

This is the Persons Table

```
SSN|Person_Name || Birthdate date || Race || Gender || Profession || Mailing_Address
|| Email || Home_number || Work_Number || Phone_Number || Subscription
6|Person6|1994-09-03|Asian|Female|Singer|Address6|person6@gmail.com|666|666|666|Yes
7|Person7|1993-06-
05|American|Female|Attorney|Address7|person7@gmail.com|777|777|777|No
2|Person2|1990-01-01|Asian|Female|Teacher|Address2|person2@gmail.com|456|789|123|Yes
3|Person3|1992-05-08|Middle
East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No
1|Person1|1996-02-
16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes
4|Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes
5|Person5|1991-11-
21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No
8|Person8|1990-05-04|Europe|Male|Mechanic|Address8|person8@gmail.com|888|888|888|No
9|Person9|1994-09-
05|Africa|Female|Scientist|Address9|person9@gmail.com|999|999|999|Yes
10|Person10|1991-08-
02|Asian|Female|Pilot|person10@gmail.com|person10@gmail.com|101010|101010|101010|Yes
```

This is the Persons Table

```
SSN|Person_Name || Birthdate date || Race || Gender || Profession || Mailing_Address
|| Email || Home_number || Work_Number || Phone_Number || Subscription
6|Person6|1994-09-03|Asian|Female|Singer|Address6|person6@gmail.com|666|666|666|Yes
7|Person7|1993-06-
05|American|Female|Attorney|Address7|person7@gmail.com|777|777|777|No
2|Person2|1990-01-01|Asian|Female|Teacher|Address2|person2@gmail.com|456|789|123|Yes
3|Person3|1992-05-08|Middle
East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No
1|Person1|1996-02-
16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes
4|Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes
5|Person5|1991-11-
21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No
8|Person8|1990-05-04|Europe|Male|Mechanic|Address8|person8@gmail.com|888|888|888|No
9|Person9|1994-09-
05|Africa|Female|Scientist|Address9|person9@gmail.com|999|999|999|Yes
10|Person10|1991-08-
02|Asian|Female|Pilot|person10@gmail.com|person10@gmail.com|101010|101010|101010|Yes
Please Choose
```

(Please Exit and select option 4 for Entering Month and hours for a volunteer)

- 1.Enter a new Person
- 2.Enter a new Volunteer
- 3.Enter Volunteer Status
- 4.Exit

2

You are now entering Volunteer Data

Please enter volunteer SSN

10

Please enter the date volunteer joined  
month(mm):

```

08
day(dd):
02
year(yyyy):
2005
Please enter the date Volunteer's Recent Training Course Date
month(mm):
08
day(dd):
02
year(yyyy):
2010
Please input the Recent Training Course Recent Training Course Location
Denver

```

This is the List of Volunteers

SSN		Date_Joined		Recent_Date		Recent_Location
6		2005-09-03		2010-09-03		Dallas
7		2005-06-05		2010-06-05		Austin
8		2005-05-04		2010-05-04		Kansas City
9		2005-09-08		2010-09-08		Oklahoma City
10		2005-08-02		2010-08-02		Denver

This is the Team List

Team_Name		Team_Type		Date_Formed
Team1		Premium Assistance		2016-01-01
Team2		Copayment Assistance		2016-01-02
Team3		Ancillary Assistance		2016-01-03
Team4		Nursing Assistance		2016-01-04
Team5		Travel Assistance		2016-01-05

Please Enter the team name you want to associate with

Team5

Please enter a month he has worked for:

1. January
2. February
3. March
4. April
5. May
6. June
7. July
8. August
9. September
10. October
11. November
12. December

11

Please enter the number of hours volunteer has worked for that month

10

This is the List of Volunteers Serving on Teams

SSN		Team_Name		Month		Hours_per_Week
6		Team1		01-Mar-16		40
7		Team2		01-Oct-16		80
8		Team4		01-Aug-16		45

9|Team4|01-May-16|70  
 10|Team5|01-Nov-16|10  
 Is the volunteer Active or not for that team?  
 1.Yes  
 2.No  
 2

This is the List of Volunteers Statuses  
 SSN || Team\_Name || Active  
 6|Team1|Yes  
 7|Team2|No  
 8|Team4|Yes  
 9|Team4|Yes  
 10|Team5|No

This is the Persons Table

SSN||Person\_Name || Birthdate date || Race || Gender || Profession || Mailing\_Address  
 || Email || Home\_number || Work\_Number || Phone\_Number || Subscription  
 6|Person6|1994-09-03|Asian|Female|Singer|Address6|person6@gmail.com|666|666|666|Yes  
 7|Person7|1993-06-05|American|Female|Attorney|Address7|person7@gmail.com|777|777|777|No  
 2|Person2|1990-01-01|Asian|Female|Teacher|Address2|person2@gmail.com|456|789|123|Yes  
 3|Person3|1992-05-08|Middle East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No  
 1|Person1|1996-02-16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes  
 4|Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes  
 5|Person5|1991-11-21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No  
 8|Person8|1990-05-04|Europe|Male|Mechanic|Address8|person8@gmail.com|888|888|888|No  
 9|Person9|1994-09-05|Africa|Female|Scientist|Address9|person9@gmail.com|999|999|999|Yes  
 10|Person10|1991-08-02|Asian|Female|Pilot|person10@gmail.com|person10@gmail.com|101010|101010|101010|Yes  
 Please Choose  
 (Please Exit and select option 4 for Entering Month and hours for a volunteer)  
 1.Enter a new Person  
 2.Enter a new Volunteer  
 3.Enter Volunteer Status  
 4.Exit

4

-----  
 -----  
 Welcome to the Database of Individual Project of Prithviraj Kadiyala  
 -----  
 -----

Please Enter you option(1-17):  
 1. Enter a new team into the database  
 2. Enter a new client into the database and associate him or her with one or more teams  
 3. Enter a new volunteer into the database and associate him or her with one or more teams  
 4. Enter the number of hours a volunteer worked this month for a particular team

5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
18. Quit

## 6.4 Script File Showing Execution of Query 4

4

This is the Team List

Team_Name	Team_Type	Date_Formed
Team1	Premium Assistance	2016-01-01
Team2	Copayment Assistance	2016-01-02
Team3	Ancillary Assistance	2016-01-03
Team4	Nursing Assistance	2016-01-04
Team5	Travel Assistance	2016-01-05

This is the List of Volunteers

SSN	Date_Joined	Recent_Date	Recent_Location
6	2005-09-03	2010-09-03	Dallas
7	2005-06-05	2010-06-05	Austin
8	2005-05-04	2010-05-04	Kansas City
9	2005-09-08	2010-09-08	Oklahoma City
10	2005-08-02	2010-08-02	Denver

Please Enter the team name you want to associate with

Team1

Please enter the SSN of the Volunteer you want to associate Team with

7

Please enter a month he has worked for:

1. January
2. February
3. March
4. April
5. May
6. June
7. July
8. August
9. September
10. October
11. November
12. December

2

Please enter the number of hours volunteer has worked for that month

30

This is the List of Volunteers Serving on Teams

SSN	Team_Name	Month	Hours_per_Week
6	Team1	01-Mar-16	40
7	Team2	01-Oct-16	80
8	Team4	01-Aug-16	45
9	Team4	01-May-16	70
10	Team5	01-Nov-16	10
7	Team1	01-Feb-16	30

-----  
-----

Welcome to the Database of Individual Project of Prithviraj Kadiyala

-----  
-----

Please Enter you option(1-17):



1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
18. Quit

4

This is the Team List

Team_Name	Team_Type	Date_Formed
Team1	Premium Assistance	2016-01-01
Team2	Copayment Assistance	2016-01-02
Team3	Ancillary Assistance	2016-01-03
Team4	Nursing Assistance	2016-01-04
Team5	Travel Assistance	2016-01-05

This is the List of Volunteers

SSN	Date_Joined	Recent_Date	Recent_Location
6	2005-09-03	2010-09-03	Dallas
7	2005-06-05	2010-06-05	Austin
8	2005-05-04	2010-05-04	Kansas City
9	2005-09-08	2010-09-08	Oklahoma City
10	2005-08-02	2010-08-02	Denver

Please Enter the team name you want to associate with

Team2

Please enter the SSN of the Volunteer you want to associate Team with

8

Please enter a month he has worked for:

1. January
2. February
3. March
4. April
5. May
6. June
7. July
8. August
9. September
10. October
11. November
12. December

9

Please enter the number of hours volunteer has worked for that month

95

This is the List of Volunteers Serving on Teams

SSN || Team\_Name || Month || Hours\_per\_Week

6|Team1|01-Mar-16|40  
7|Team2|01-Oct-16|80  
8|Team4|01-Aug-16|45  
9|Team4|01-May-16|70  
10|Team5|01-Nov-16|10  
7|Team1|01-Feb-16|30  
8|Team2|01-Sep-16|95

-----  
-----  
Welcome to the Database of Individual Project of Prithviraj Kadiyala  
-----  
-----

Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by

an organization whose name starts with a letter between B and K. The client list should be sorted by name

14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous

15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June

16. Increase the salary by 10% of all employees to whom more than one team must report

17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5

18. Quit

4

This is the Team List

Team_Name	Team_Type	Date_Formed
Team1	Premium Assistance	2016-01-01
Team2	Copayment Assistance	2016-01-02
Team3	Ancillary Assistance	2016-01-03
Team4	Nursing Assistance	2016-01-04
Team5	Travel Assistance	2016-01-05

This is the List of Volunteers

SSN	Date_Joined	Recent_Date	Recent_Location
6	2005-09-03	2010-09-03	Dallas
7	2005-06-05	2010-06-05	Austin
8	2005-05-04	2010-05-04	Kansas City
9	2005-09-08	2010-09-08	Oklahoma City
10	2005-08-02	2010-08-02	Denver

Please Enter the team name you want to associate with

Team3

Please enter the SSN of the Volunteer you want to associate Team with

9

Please enter a month he has worked for:

1. January
2. February
3. March
4. April
5. May
6. June
7. July
8. August
9. September
10. October
11. November
12. December

7

Please enter the number of hours volunteer has worked for that month

15

This is the List of Volunteers Serving on Teams

SSN || Team\_Name || Month || Hours\_per\_Week

6|Team1|01-Mar-16|40  
7|Team2|01-Oct-16|80  
8|Team4|01-Aug-16|45  
9|Team4|01-May-16|70  
10|Team5|01-Nov-16|10  
7|Team1|01-Feb-16|30  
8|Team2|01-Sep-16|95  
9|Team3|01-Jul-16|15

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Welcome to the Database of Individual Project of Prithviraj Kadiyala

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Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.

The list should be sorted by the total amount of expenses

12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
18. Quit

4

This is the Team List

Team_Name	Team_Type	Date_Formed
Team1	Premium Assistance	2016-01-01
Team2	Copayment Assistance	2016-01-02
Team3	Ancillary Assistance	2016-01-03
Team4	Nursing Assistance	2016-01-04
Team5	Travel Assistance	2016-01-05

This is the List of Volunteers

SSN	Date_Joined	Recent_Date	Recent_Location
6	2005-09-03	2010-09-03	Dallas
7	2005-06-05	2010-06-05	Austin
8	2005-05-04	2010-05-04	Kansas City
9	2005-09-08	2010-09-08	Oklahoma City
10	2005-08-02	2010-08-02	Denver

Please Enter the team name you want to associate with

Team4

Please enter the SSN of the Volunteer you want to associate Team with

10

Please enter a month he has worked for:

1. January
2. February
3. March
4. April
5. May
6. June
7. July
8. August
9. September
10. October
11. November
12. December

10

Please enter the number of hours volunteer has worked for that month

100

This is the List of Volunteers Serving on Teams

SSN	Team_Name	Month	Hours_per_Week
6	Team1	01-Mar-16	40
7	Team2	01-Oct-16	80
8	Team4	01-Aug-16	45
9	Team4	01-May-16	70
10	Team5	01-Nov-16	10
7	Team1	01-Feb-16	30
8	Team2	01-Sep-16	95
9	Team3	01-Jul-16	15
10	Team4	01-Oct-16	100

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Welcome to the Database of Individual Project of Prithviraj Kadiyala

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Please Enter you option(1-17):

1. Enter a new team into the database

2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
18. Quit

4

This is the Team List

Team_Name	Team_Type	Date_Formed
Team1	Premium Assistance	2016-01-01
Team2	Copayment Assistance	2016-01-02
Team3	Ancillary Assistance	2016-01-03
Team4	Nursing Assistance	2016-01-04
Team5	Travel Assistance	2016-01-05

This is the List of Volunteers

SSN	Date_Joined	Recent_Date	Recent_Location
6	2005-09-03	2010-09-03	Dallas
7	2005-06-05	2010-06-05	Austin
8	2005-05-04	2010-05-04	Kansas City
9	2005-09-08	2010-09-08	Oklahoma City
10	2005-08-02	2010-08-02	Denver

Please Enter the team name you want to associate with

Team5

Please enter the SSN of the Volunteer you want to associate Team with

6

Please enter a month he has worked for:

1. January
2. February
3. March
4. April
5. May
6. June
7. July
8. August
9. September
10. October
11. November
12. December

4

Please enter the number of hours volunteer has worked for that month

45

This is the List of Volunteers Serving on Teams

SSN || Team\_Name || Month || Hours\_per\_Week

6|Team1|01-Mar-16|40  
7|Team2|01-Oct-16|80  
8|Team4|01-Aug-16|45  
9|Team4|01-May-16|70  
10|Team5|01-Nov-16|10  
7|Team1|01-Feb-16|30  
8|Team2|01-Sep-16|95  
9|Team3|01-Jul-16|15  
10|Team4|01-Oct-16|100  
6|Team5|01-Apr-16|45

-----  
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Welcome to the Database of Individual Project of Prithviraj Kadiyala

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Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client

13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
18. Quit

4

This is the Team List

Team_Name	Team_Type	Date_Formed
Team1	Premium Assistance	2016-01-01
Team2	Copayment Assistance	2016-01-02
Team3	Ancillary Assistance	2016-01-03
Team4	Nursing Assistance	2016-01-04
Team5	Travel Assistance	2016-01-05

This is the List of Volunteers

SSN	Date_Joined	Recent_Date	Recent_Location
6	2005-09-03	2010-09-03	Dallas
7	2005-06-05	2010-06-05	Austin
8	2005-05-04	2010-05-04	Kansas City
9	2005-09-08	2010-09-08	Oklahoma City
10	2005-08-02	2010-08-02	Denver

Please Enter the team name you want to associate with

Team5

Please enter the SSN of the Volunteer you want to associate Team with

6

Please enter a month he has worked for:

1. January
2. February
3. March
4. April
5. May
6. June
7. July
8. August
9. September
10. October
11. November
12. December

7

Please enter the number of hours volunteer has worked for that month



This is the List of Volunteers Serving on Teams

SSN || Team\_Name || Month || Hours\_per\_Week

```
6|Team1|01-Mar-16|40
7|Team2|01-Oct-16|80
8|Team4|01-Aug-16|45
9|Team4|01-May-16|70
10|Team5|01-Nov-16|10
7|Team1|01-Feb-16|30
8|Team2|01-Sep-16|95
9|Team3|01-Jul-16|15
10|Team4|01-Oct-16|100
6|Team5|01-Apr-16|45
6|Team5|01-Jul-16|20
```

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Welcome to the Database of Individual Project of Prithviraj Kadiyala

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Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5

## 18. Quit

4

This is the Team List

Team_Name	Team_Type	Date_Formed
Team1	Premium Assistance	2016-01-01
Team2	Copayment Assistance	2016-01-02
Team3	Ancillary Assistance	2016-01-03
Team4	Nursing Assistance	2016-01-04
Team5	Travel Assistance	2016-01-05

This is the List of Volunteers

SSN	Date_Joined	Recent_Date	Recent_Location
6	2005-09-03	2010-09-03	Dallas
7	2005-06-05	2010-06-05	Austin
8	2005-05-04	2010-05-04	Kansas City
9	2005-09-08	2010-09-08	Oklahoma City
10	2005-08-02	2010-08-02	Denver

Please Enter the team name you want to associate with

Team1

Please enter the SSN of the Volunteer you want to associate Team with

8

Please enter a month he has worked for:

1. January
2. February
3. March
4. April
5. May
6. June
7. July
8. August
9. September
10. October
11. November
12. December

4

Please enter the number of hours volunteer has worked for that month

20

This is the List of Volunteers Serving on Teams

SSN	Team_Name	Month	Hours_per_Week
6	Team1	01-Mar-16	40
7	Team2	01-Oct-16	80
8	Team4	01-Aug-16	45
9	Team4	01-May-16	70
10	Team5	01-Nov-16	10
7	Team1	01-Feb-16	30
8	Team2	01-Sep-16	95
9	Team3	01-Jul-16	15
10	Team4	01-Oct-16	100
6	Team5	01-Apr-16	45
6	Team5	01-Jul-16	20
8	Team1	01-Apr-16	20

-----  
-----  
Welcome to the Database of Individual Project of Prithviraj Kadiyala  
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Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
18. Quit

## 6.5 Script File Showing Execution of Query 5

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Welcome to the Database of Individual Project of Prithviraj Kadiyala
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Please Enter you option(1-17):
1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more
teams
3. Enter a new volunteer into the database and associate him or her with one or more
teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more
teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular
period of time.
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a
particular client
13. Retrieve the names and contact information of the clients that are supported by
teams sponsored by
an organization whose name starts with a letter between B and K. The client list
should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The
list should be
sorted by the total amount of the donations, and indicate if each donor wishes to
remain anonymous
15. For each team, retrieve the name and associated contact information of the
volunteer that has worked
the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must
report
17. Delete all clients who do not have health insurance and whose value of importance
for transportation
is less than 5
18. Quit
```

5

This is the Persons Table

SSN	Person_Name	Birthdate	Race	Gender	Profession	Mailing_Address	Email	Home_number	Work_Number	Phone_Number	Subscription
6	Person6	1994-09-03	Asian	Female	Singer	Address6	person6@gmail.com	666	666	666	Yes
7	Person7	1993-06-									
05	American		Female	Attorney	Address7	person7@gmail.com	777	777	777	No	

2|Person2|1990-01-01|Asian|Female|Teacher|Address2|person2@gmail.com|456|789|123|Yes  
 3|Person3|1992-05-08|Middle  
 East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No  
 1|Person1|1996-02-  
 16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes  
 4|Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes  
 5|Person5|1991-11-  
 21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No  
 8|Person8|1990-05-04|Europe|Male|Mechanic|Address8|person8@gmail.com|888|888|888|No  
 9|Person9|1994-09-  
 05|Africa|Female|Scientist|Address9|person9@gmail.com|999|999|999|Yes  
 10|Person10|1991-08-  
 02|Asian|Female|Pilot|person10@gmail.com|person10@gmail.com|101010|101010|101010|Yes  
 Please Choose

- 1.Enter a new Person
- 2.Enter a new Employee
- 3.Associate an Employee with a team
- 4.Exit

2

You are now entering Employee Data

Please enter Employee SSN

1

Please enter the salary of the employee

50000

Please enter the Marital Status of the Employee

Married

Please enter the hire date of the Employee

month(mm):

10

day(dd):

12

year(yyyy):

2009

This is the List of Employees

SSN || salary || Marital\_Status || Hire\_Date

1|50000|Married|2009-10-12

This is the Team List

Team\_Name || Team\_Type || Date\_Formed

Team1|Premium Assistance|2016-01-01

Team2|Copayment Assistance|2016-01-02

Team3|Ancillary Assistance|2016-01-03

Team4|Nursing Assistance|2016-01-04

Team5|Travel Assistance|2016-01-05

Please Enter the team name you want to associate with

Team1

Please enter the description of the report

Cared Person1

Please enter the date of the report

month(mm):

12

day(dd):

10

year(yyyy):  
2011

This is the List of Reports

SSN || Team\_Name || Report\_Date || Report\_Description

1|Team1|2011-12-10|Cared Person1

This is the Persons Table

SSN|Person\_Name || Birthdate date || Race || Gender || Profession || Mailing\_Address

|| Email || Home\_number || Work\_Number || Phone\_Number || Subscription

6|Person6|1994-09-03|Asian|Female|Singer|Address6|person6@gmail.com|666|666|666|Yes

7|Person7|1993-06-

05|American|Female|Attorney|Address7|person7@gmail.com|777|777|777|No

2|Person2|1990-01-01|Asian|Female|Teacher|Address2|person2@gmail.com|456|789|123|Yes

3|Person3|1992-05-08|Middle

East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No

1|Person1|1996-02-

16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes

4|Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes

5|Person5|1991-11-

21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No

8|Person8|1990-05-04|Europe|Male|Mechanic|Address8|person8@gmail.com|888|888|888|No

9|Person9|1994-09-

05|Africa|Female|Scientist|Address9|person9@gmail.com|999|999|999|Yes

10|Person10|1991-08-

02|Asian|Female|Pilot|person10@gmail.com|person10@gmail.com|101010|101010|101010|Yes

Please Choose

1.Enter a new Person

2.Enter a new Employee

3.Associate an Employee with a team

4.Exit

2

You are now entering Employee Data

Please enter Employee SSN

6

Please enter the salary of the employee

25000

Please enter the Marital Status of the Employee

Divorced

Please enter the hire date of the Employee

month(mm):

01

day(dd):

25

year(yyyy):

2006

This is the List of Employees

SSN || salary || Marital\_Status || Hire\_Date

1|50000|Married|2009-10-12

6|25000|Divorced|2006-01-25

This is the Team List

Team\_Name || Team\_Type || Date\_Formed

Team1|Premium Assistance|2016-01-01  
Team2|Copayment Assistance|2016-01-02  
Team3|Ancillary Assistance|2016-01-03  
Team4|Nursing Assistance|2016-01-04  
Team5|Travel Assistance|2016-01-05

Please Enter the team name you want to associate with

Team2

Please enter the description of the report

Volunteers joined report

Please enter the date of the report

month(mm):

06

day(dd):

05

year(yyyy):

2010

This is the List of Reports

SSN || Team\_Name || Report\_Date || Report\_Description

1|Team1|2011-12-10|Cared Person1

6|Team2|2010-06-05|Volunteers joined report

This is the Persons Table

SSN||Person\_Name || Birthdate date || Race || Gender || Profession || Mailing\_Address  
|| Email || Home\_number || Work\_Number || Phone\_Number || Subscription

6||Person6|1994-09-03|Asian|Female|Singer|Address6|person6@gmail.com|666|666|666|Yes

7||Person7|1993-06-

05|American|Female|Attorney|Address7|person7@gmail.com|777|777|777|No

2||Person2|1990-01-01|Asian|Female|Teacher|Address2|person2@gmail.com|456|789|123|Yes

3||Person3|1992-05-08|Middle

East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No

1||Person1|1996-02-

16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes

4||Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes

5||Person5|1991-11-

21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No

8||Person8|1990-05-04|Europe|Male|Mechanic|Address8|person8@gmail.com|888|888|888|No

9||Person9|1994-09-

05|Africa|Female|Scientist|Address9|person9@gmail.com|999|999|999|Yes

10||Person10|1991-08-

02|Asian|Female|Pilot|person10@gmail.com|person10@gmail.com|101010|101010|101010|Yes

Please Choose

1.Enter a new Person

2.Enter a new Employee

3.Associate an Employee with a team

4.Exit

1

You are entering details for Person

Please Enter SSN:

11

Enter Person's Name

Person11

Please enter the birthdate of the Person

month(mm):

```

10
day(dd):
26
year(yyyy):
1992
Please select race of the person:
1.American
2.Asian
3.Middle East
4.Europe
5.Africa
3
Please enter the gender of the person
1. Male
2.Female
2
Please Enter Profession of the person
Cashier
Please enter the mailing address of the person
Address11
Please Enter the Email ID of the person
person11@gmail.com
Enter the Home number of the person
111111
Enter the Work number of the person
111111
Enter the Phone number of the person
111111
Is the person subscribed to the mailing list?
1.Yes
2.No
1
INSERT INTO
Person(SSN,Person_Name,Birthdate,Race,Gender,Profession,Mailing_Address,Email,Home_nu
mber,Work_Number,Phone_Number,Subscription) VALUES(11,'Person11', TO_DATE('10-26-
1992', 'MM-DD-YYYY'),'Middle East', 'Female', 'Cashier','Address11',
'person11@gmail.com',111111,111111,111111 ,'Yes')

```

Information has been added to the persons table

This is the Persons Table

SSN	Person_Name	Birthdate date	Race	Gender	Profession	Mailing_Address	Email	Home_number	Work_Number	Phone_Number	Subscription
6	Person6	1994-09-03	Asian	Female	Singer	Address6	person6@gmail.com	666	666	666	Yes
7	Person7	1993-06-05	American	Female	Attorney	Address7	person7@gmail.com	777	777	777	No
11	Person11	1992-10-26	Middle East	Female	Cashier	Address11	person11@gmail.com	111111	111111	111111	Yes
2	Person2	1990-01-01	Asian	Female	Teacher	Address2	person2@gmail.com	456	789	123	Yes
3	Person3	1992-05-08	Middle East	Male	Analyst	Address3	person3@gmail.com	333	333	333	No
1	Person1	1996-02-16	American	Male	Professor	Address1	person1@gmail.com	123	456	789	Yes
4	Person4	1995-09-15	Europe	Male	Plumber	Address4	person4@gmail.com	444	444	444	Yes



```

5|Person5|1991-11-
21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No
8|Person8|1990-05-04|Europe|Male|Mechanic|Address8|person8@gmail.com|888|888|888|No
9|Person9|1994-09-
05|Africa|Female|Scientist|Address9|person9@gmail.com|999|999|999|Yes
10|Person10|1991-08-
02|Asian|Female|Pilot|person10@gmail.com|person10@gmail.com|101010|101010|101010|Yes

```

This is the Persons Table

```

SSN|Person_Name || Birthdate date || Race || Gender || Profession || Mailing_Address
|| Email || Home_number || Work_Number || Phone_Number || Subscription
6|Person6|1994-09-03|Asian|Female|Singer|Address6|person6@gmail.com|666|666|666|Yes
7|Person7|1993-06-
05|American|Female|Attorney|Address7|person7@gmail.com|777|777|777|No
11|Person11|1992-10-26|Middle
East|Female|Cashier|Address11|person11@gmail.com|111111|111111|111111|Yes
2|Person2|1990-01-01|Asian|Female|Teacher|Address2|person2@gmail.com|456|789|123|Yes
3|Person3|1992-05-08|Middle
East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No
1|Person1|1996-02-
16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes
4|Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes
5|Person5|1991-11-
21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No
8|Person8|1990-05-04|Europe|Male|Mechanic|Address8|person8@gmail.com|888|888|888|No
9|Person9|1994-09-
05|Africa|Female|Scientist|Address9|person9@gmail.com|999|999|999|Yes
10|Person10|1991-08-
02|Asian|Female|Pilot|person10@gmail.com|person10@gmail.com|101010|101010|101010|Yes
Please Choose

```

- 1.Enter a new Person
- 2.Enter a new Employee
- 3.Associate an Employee with a team
- 4.Exit

2

You are now entering Employee Data  
Please enter Employee SSN

11

Please enter the salary of the employee

20000

Please enter the Marital Status of the Employee

Single

Please enter the hire date of the Employee

month(mm):

04

day(dd):

15

year(yyyy):

2004

This is the List of Employees

```

SSN || salary || Marital_Status || Hire_Date
11|20000|Single|2004-04-15
1|50000|Married|2009-10-12

```

6|25000|Divorced|2006-01-25

This is the Team List

Team\_Name || Team\_Type || Date\_Formed  
Team1|Premium Assistance|2016-01-01  
Team2|Copayment Assistance|2016-01-02  
Team3|Ancillary Assistance|2016-01-03  
Team4|Nursing Assistance|2016-01-04  
Team5|Travel Assistance|2016-01-05  
Please Enter the team name you want to associate with

Team3

Please enter the description of the report

Client Needs fulfilled report

Please enter the date of the report

month(mm):

01

day(dd):

02

year(yyyy):

2011

This is the List of Reports

SSN || Team\_Name || Report\_Date || Report\_Description  
11|Team3|2011-01-02|Client Needs fulfilled report  
1|Team1|2011-12-10|Cared Person1  
6|Team2|2010-06-05|Volunteers joined report

This is the Persons Table

SSN|Person\_Name || Birthdate date || Race || Gender || Profession || Mailing\_Address  
|| Email || Home\_number || Work\_Number || Phone\_Number || Subscription  
6||Person6|1994-09-03|Asian|Female|Singer|Address6|person6@gmail.com|666|666|666|Yes  
7||Person7|1993-06-  
05|American|Female|Attorney|Address7|person7@gmail.com|777|777|777|No  
11||Person11|1992-10-26|Middle  
East|Female|Cashier|Address11|person11@gmail.com|111111|111111|111111|Yes  
2||Person2|1990-01-01|Asian|Female|Teacher|Address2|person2@gmail.com|456|789|123|Yes  
3||Person3|1992-05-08|Middle  
East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No  
1||Person1|1996-02-  
16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes  
4||Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes  
5||Person5|1991-11-  
21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No  
8||Person8|1990-05-04|Europe|Male|Mechanic|Address8|person8@gmail.com|888|888|888|No  
9||Person9|1994-09-  
05|Africa|Female|Scientist|Address9|person9@gmail.com|999|999|999|Yes  
10||Person10|1991-08-  
02|Asian|Female|Pilot|person10@gmail.com|person10@gmail.com|101010|101010|101010|Yes  
Please Choose

- 1.Enter a new Person
- 2.Enter a new Employee
- 3.Associate an Employee with a team
- 4.Exit

```

1
You are entering details for Person
Please Enter SSN:
12
Enter Person's Name
Person12
Please enter the birthdate of the Person
month(mm):
06
day(dd):
05
year(yyyy):
1995
Please select race of the person:
1.American
2.Asian
3.Middle East
4.Europe
5.Africa
5
Please enter the gender of the person
1. Male
2.Female
1
Please Enter Profession of the person
Athlete
Please enter the mailing address of the person
Address12
Please Enter the Email ID of the person
person12@gmail.com
Enter the Home number of the person
121212
Enter the Work number of the person
121212
Enter the Phone number of the person
121212
Is the person subscribed to the mailing list?
1.Yes
2.No
1
INSERT INTO
Person(SSN,Person_Name,Birthdate,Race,Gender,Profession,Mailing_Address,Email,Home_number,Work_Number,Phone_Number,Subscription) VALUES(12,'Person12', TO_DATE('06-05-1995', 'MM-DD-YYYY'),'Africa', 'Male', 'Athlete','Address12','person12@gmail.com',121212,121212,121212 ,'Yes')

Information has been added to the persons table

This is the Persons Table

SSN|Person_Name || Birthdate date || Race || Gender || Profession || Mailing_Address
|| Email || Home_number || Work_Number || Phone_Number || Subscription
6||Person6|1994-09-03|Asian|Female|Singer|Address6|person6@gmail.com|666|666|666|Yes
7||Person7|1993-06-05|American|Female|Attorney|Address7|person7@gmail.com|777|777|777|No

```

11|Person11|1992-10-26|Middle  
 East|Female|Cashier|Address11|person11@gmail.com|111111|111111|111111|Yes  
 12|Person12|1995-06-  
 05|Africa|Male|Athlete|Address12|person12@gmail.com|121212|121212|121212|Yes  
 2|Person2|1990-01-01|Asian|Female|Teacher|Address2|person2@gmail.com|456|789|123|Yes  
 3|Person3|1992-05-08|Middle  
 East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No  
 1|Person1|1996-02-  
 16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes  
 4|Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes  
 5|Person5|1991-11-  
 21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No  
 8|Person8|1990-05-04|Europe|Male|Mechanic|Address8|person8@gmail.com|888|888|888|No  
 9|Person9|1994-09-  
 05|Africa|Female|Scientist|Address9|person9@gmail.com|999|999|999|Yes  
 10|Person10|1991-08-  
 02|Asian|Female|Pilot|person10@gmail.com|person10@gmail.com|101010|101010|101010|Yes

This is the Persons Table

SSN|Person\_Name || Birthdate date || Race || Gender || Profession || Mailing\_Address  
 || Email || Home\_number || Work\_Number || Phone\_Number || Subscription  
 6|Person6|1994-09-03|Asian|Female|Singer|Address6|person6@gmail.com|666|666|666|Yes  
 7|Person7|1993-06-  
 05|American|Female|Attorney|Address7|person7@gmail.com|777|777|777|No  
 11|Person11|1992-10-26|Middle  
 East|Female|Cashier|Address11|person11@gmail.com|111111|111111|111111|Yes  
 12|Person12|1995-06-  
 05|Africa|Male|Athlete|Address12|person12@gmail.com|121212|121212|121212|Yes  
 2|Person2|1990-01-01|Asian|Female|Teacher|Address2|person2@gmail.com|456|789|123|Yes  
 3|Person3|1992-05-08|Middle  
 East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No  
 1|Person1|1996-02-  
 16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes  
 4|Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes  
 5|Person5|1991-11-  
 21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No  
 8|Person8|1990-05-04|Europe|Male|Mechanic|Address8|person8@gmail.com|888|888|888|No  
 9|Person9|1994-09-  
 05|Africa|Female|Scientist|Address9|person9@gmail.com|999|999|999|Yes  
 10|Person10|1991-08-  
 02|Asian|Female|Pilot|person10@gmail.com|person10@gmail.com|101010|101010|101010|Yes  
 Please Choose

- 1.Enter a new Person
- 2.Enter a new Employee
- 3.Associate an Employee with a team
- 4.Exit

2

You are now entering Employee Data

Please enter Employee SSN

12

Please enter the salary of the employee

75000

Please enter the Marital Status of the Employee

Engaged

Please enter the hire date of the Employee  
month(mm):

12

day(dd):

19

year(yyyy):

2007

This is the List of Employees

SSN		salary		Marital_Status		Hire_Date
-----	--	--------	--	----------------	--	-----------

11		20000		Single		2004-04-15
----	--	-------	--	--------	--	------------

1		50000		Married		2009-10-12
---	--	-------	--	---------	--	------------

6		25000		Divorced		2006-01-25
---	--	-------	--	----------	--	------------

12		75000		Engaged		2007-12-19
----	--	-------	--	---------	--	------------

This is the Team List

Team_Name		Team_Type		Date_Formed
-----------	--	-----------	--	-------------

Team1		Premium Assistance		2016-01-01
-------	--	--------------------	--	------------

Team2		Copayment Assistance		2016-01-02
-------	--	----------------------	--	------------

Team3		Ancillary Assistance		2016-01-03
-------	--	----------------------	--	------------

Team4		Nursing Assistance		2016-01-04
-------	--	--------------------	--	------------

Team5		Travel Assistance		2016-01-05
-------	--	-------------------	--	------------

Please Enter the team name you want to associate with

Team4

Please enter the description of the report

Clients Insurance report

Please enter the date of the report

month(mm):

12

day(dd):

30

year(yyyy):

2010

This is the List of Reports

SSN		Team_Name		Report_Date		Report_Description
-----	--	-----------	--	-------------	--	--------------------

11		Team3		2011-01-02		Client Needs fulfilled report
----	--	-------	--	------------	--	-------------------------------

1		Team1		2011-12-10		Cared Person1
---	--	-------	--	------------	--	---------------

6		Team2		2010-06-05		Volunteers joined report
---	--	-------	--	------------	--	--------------------------

12		Team4		2010-12-30		Clients Insurance report
----	--	-------	--	------------	--	--------------------------

This is the Persons Table

SSN		Person_Name		Birthdate date		Race		Gender		Profession		Mailing_Address
-----	--	-------------	--	----------------	--	------	--	--------	--	------------	--	-----------------

		Email		Home_number		Work_Number		Phone_Number		Subscription
--	--	-------	--	-------------	--	-------------	--	--------------	--	--------------

6		Person6		1994-09-03		Asian		Female		Singer		Address6 person6@gmail.com 666 666 666 Yes
---	--	---------	--	------------	--	-------	--	--------	--	--------	--	--

7		Person7		1993-06-
---	--	---------	--	----------

05		American		Female		Attorney		Address7 person7@gmail.com 777 777 777 No
----	--	----------	--	--------	--	----------	--	---

11		Person11		1992-10-26		Middle
----	--	----------	--	------------	--	--------

East		Female		Cashier		Address11 person11@gmail.com 111111 111111 111111 Yes
------	--	--------	--	---------	--	---

12		Person12		1995-06-
----	--	----------	--	----------

05		Africa		Male		Athlete		Address12 person12@gmail.com 121212 121212 121212 Yes
----	--	--------	--	------	--	---------	--	---

2		Person2		1990-01-01		Asian		Female		Teacher		Address2 person2@gmail.com 456 789 123 Yes
---	--	---------	--	------------	--	-------	--	--------	--	---------	--	--

```

3|Person3|1992-05-08|Middle
East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No
1|Person1|1996-02-
16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes
4|Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes
5|Person5|1991-11-
21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No
8|Person8|1990-05-04|Europe|Male|Mechanic|Address8|person8@gmail.com|888|888|888|No
9|Person9|1994-09-
05|Africa|Female|Scientist|Address9|person9@gmail.com|999|999|999|Yes
10|Person10|1991-08-
02|Asian|Female|Pilot|person10@gmail.com|person10@gmail.com|101010|101010|101010|Yes
Please Choose
1.Enter a new Person
2.Enter a new Employee
3.Associate an Employee with a team
4.Exit
1
You are entering details for Person
Please Enter SSN:
13
Enter Person's Name
Person13
Please enter the birthdate of the Person
month(mm):
10
day(dd):
25
year(yyyy):
2009
Please select race of the person:
1.American
2.Asian
3.Middle East
4.Europe
5.Africa
2
Please enter the gender of the person
1. Male
2.Female
1
Please Enter Profession of the person
Mathematician
Please enter the mailing address of the person
Address13
Please Enter the Email ID of the person
person13@gmail.com
Enter the Home number of the person
131313
Enter the Work number of the person
131313
Enter the Phone number of the person
131313
Is the person subscribed to the mailing list?
1.Yes

```

2.No

1

INSERT INTO

```
Person(SSN,Person_Name,Birthdate,Race,Gender,Profession,Mailing_Address,Email,Home_number,Work_Number,Phone_Number,Subscription) VALUES(13,'Person13', TO_DATE('10-25-2009', 'MM-DD-YYYY'),'Asian', 'Male', 'Mathematician','Address13','person13@gmail.com',131313,131313,131313 , 'Yes')
```

Information has been added to the persons table

This is the Persons Table

SSN	Person_Name	Birthdate date	Race	Gender	Profession	Mailing_Address	Email	Home_number	Work_Number	Phone_Number	Subscription
6	Person6	1994-09-03	Asian	Female	Singer	Address6	person6@gmail.com	666	666	666	Yes
7	Person7	1993-06-05	American	Female	Attorney	Address7	person7@gmail.com	777	777	777	No
11	Person11	1992-10-26	Middle East	Female	Cashier	Address11	person11@gmail.com	111111	111111	111111	Yes
12	Person12	1995-06-05	Africa	Male	Athlete	Address12	person12@gmail.com	121212	121212	121212	Yes
13	Person13	2009-10-25	Asian	Male	Mathematician	Address13	person13@gmail.com	131313	131313	131313	Yes
2	Person2	1990-01-01	Asian	Female	Teacher	Address2	person2@gmail.com	456	789	123	Yes
3	Person3	1992-05-08	Middle East	Male	Analyst	Address3	person3@gmail.com	333	333	333	No
1	Person1	1996-02-16	American	Male	Professor	Address1	person1@gmail.com	123	456	789	Yes
4	Person4	1995-09-15	Europe	Male	Plumber	Address4	person4@gmail.com	444	444	444	Yes
5	Person5	1991-11-21	Africa	Female	Astronaut	Address5	person5@gmail.com	555	555	555	No
8	Person8	1990-05-04	Europe	Male	Mechanic	Address8	person8@gmail.com	888	888	888	No
9	Person9	1994-09-05	Africa	Female	Scientist	Address9	person9@gmail.com	999	999	999	Yes
10	Person10	1991-08-02	Asian	Female	Pilot	person10@gmail.com	person10@gmail.com	101010	101010	101010	Yes

This is the Persons Table

SSN	Person_Name	Birthdate date	Race	Gender	Profession	Mailing_Address	Email	Home_number	Work_Number	Phone_Number	Subscription
6	Person6	1994-09-03	Asian	Female	Singer	Address6	person6@gmail.com	666	666	666	Yes
7	Person7	1993-06-05	American	Female	Attorney	Address7	person7@gmail.com	777	777	777	No
11	Person11	1992-10-26	Middle East	Female	Cashier	Address11	person11@gmail.com	111111	111111	111111	Yes
12	Person12	1995-06-05	Africa	Male	Athlete	Address12	person12@gmail.com	121212	121212	121212	Yes
13	Person13	2009-10-25	Asian	Male	Mathematician	Address13	person13@gmail.com	131313	131313	131313	Yes
2	Person2	1990-01-01	Asian	Female	Teacher	Address2	person2@gmail.com	456	789	123	Yes
3	Person3	1992-05-08	Middle East	Male	Analyst	Address3	person3@gmail.com	333	333	333	No
1	Person1	1996-02-16	American	Male	Professor	Address1	person1@gmail.com	123	456	789	Yes

4|Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes  
 5|Person5|1991-11-  
 21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No  
 8|Person8|1990-05-04|Europe|Male|Mechanic|Address8|person8@gmail.com|888|888|888|No  
 9|Person9|1994-09-  
 05|Africa|Female|Scientist|Address9|person9@gmail.com|999|999|999|Yes  
 10|Person10|1991-08-  
 02|Asian|Female|Pilot|person10@gmail.com|person10@gmail.com|101010|101010|101010|Yes  
 Please Choose

- 1.Enter a new Person
- 2.Enter a new Employee
- 3.Associate an Employee with a team
- 4.Exit

2

You are now entering Employee Data  
 Please enter Employee SSN

13

Please enter the salary of the employee

75000

Please enter the Marital Status of the Employee

Single

Please enter the hire date of the Employee

month(mm):

07

day(dd):

23

year(yyyy):

2010

This is the List of Employees

SSN	salary	Marital_Status	Hire_Date
11 20000	Single	2004-04-15	
1 50000	Married	2009-10-12	
6 25000	Divorced	2006-01-25	
12 75000	Engaged	2007-12-19	
13 75000	Single	2010-07-23	

This is the Team List

Team_Name	Team_Type	Date_Formed
Team1	Premium Assistance	2016-01-01
Team2	Copayment Assistance	2016-01-02
Team3	Ancillary Assistance	2016-01-03
Team4	Nursing Assistance	2016-01-04
Team5	Travel Assistance	2016-01-05

Please Enter the team name you want to associate with

Team5

Please enter the description of the report

All Team reports

Please enter the date of the report

month(mm):

08

day(dd):

19

year(yyyy):



2009

This is the List of Reports

```
SSN || Team_Name || Report_Date || Report_Description
11|Team3|2011-01-02|Client Needs fulfilled report
1|Team1|2011-12-10|Cared Person1
6|Team2|2010-06-05|Volunteers joined report
12|Team4|2010-12-30|Clients Insurance report
13|Team5|2009-08-19|All Team reports
```

This is the Persons Table

```
SSN|Person_Name || Birthdate date || Race || Gender || Profession || Mailing_Address
|| Email || Home_number || Work_Number || Phone_Number || Subscription
6|Person6|1994-09-03|Asian|Female|Singer|Address6|person6@gmail.com|666|666|666|Yes
7|Person7|1993-06-05|American|Female|Attorney|Address7|person7@gmail.com|777|777|777|No
11|Person11|1992-10-26|Middle East|Female|Cashier|Address11|person11@gmail.com|111111|111111|111111|Yes
12|Person12|1995-06-05|Africa|Male|Athlete|Address12|person12@gmail.com|121212|121212|121212|Yes
13|Person13|2009-10-25|Asian|Male|Mathematician|Address13|person13@gmail.com|131313|131313|131313|Yes
2|Person2|1990-01-01|Asian|Female|Teacher|Address2|person2@gmail.com|456|789|123|Yes
3|Person3|1992-05-08|Middle East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No
1|Person1|1996-02-16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes
4|Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes
5|Person5|1991-11-21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No
8|Person8|1990-05-04|Europe|Male|Mechanic|Address8|person8@gmail.com|888|888|888|No
9|Person9|1994-09-05|Africa|Female|Scientist|Address9|person9@gmail.com|999|999|999|Yes
10|Person10|1991-08-02|Asian|Female|Pilot|person10@gmail.com|person10@gmail.com|101010|101010|101010|Yes
Please Choose
```

- 1.Enter a new Person
- 2.Enter a new Employee
- 3.Associate an Employee with a team
- 4.Exit

4

```
-----
-----
Welcome to the Database of Individual Project of Prithviraj Kadiyala
-----
-----
```

Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team

5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
18. Quit

## 6.6 Script File Showing Execution of Query 6

```
-----
Welcome to the Database of Individual Project of Prithviraj Kadiyala
-----

Please Enter you option(1-17):
1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more
teams
3. Enter a new volunteer into the database and associate him or her with one or more
teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more
teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular
period of time.
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a
particular client
13. Retrieve the names and contact information of the clients that are supported by
teams sponsored by
an organization whose name starts with a letter between B and K. The client list
should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The
list should be
sorted by the total amount of the donations, and indicate if each donor wishes to
remain anonymous
15. For each team, retrieve the name and associated contact information of the
volunteer that has worked
the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must
report
17. Delete all clients who do not have health insurance and whose value of importance
for transportation
is less than 5
18. Quit
```

6

```
This is the List of Employees
SSN || salary || Marital_Status || Hire_Date
11|20000|Single|2004-04-15
1|50000|Married|2009-10-12
6|25000|Divorced|2006-01-25
12|75000|Engaged|2007-12-19
13|75000|Single|2010-07-23
Please Choose from the options
1.Enter new Expense
```

```

2.Exit
1
Select one SSN from Employee
11
Please enter the date of Expense
month(mm):
05
day(dd):
06
year(yyyy):
2017
Please the amount of Expense
100
Please enter the description of the expense
Burger

This is the List of Employee's Expenses
SSN || Expense_date || Amount || Description
11|2017-05-06|100|Burger

This is the List of Employees
SSN || salary || Marital_Status || Hire_Date
11|20000|Single|2004-04-15
1|50000|Married|2009-10-12
6|25000|Divorced|2006-01-25
12|75000|Engaged|2007-12-19
13|75000|Single|2010-07-23
Please Choose from the options
1.Enter new Expense
2.Exit
1
Select one SSN from Employee
12
Please enter the date of Expense
month(mm):
09
day(dd):
08
year(yyyy):
2017
Please the amount of Expense
50
Please enter the description of the expense
Soft Drinks

This is the List of Employee's Expenses
SSN || Expense_date || Amount || Description
11|2017-05-06|100|Burger
12|2017-09-08|50|Soft Drinks

This is the List of Employees
SSN || salary || Marital_Status || Hire_Date
11|20000|Single|2004-04-15
1|50000|Married|2009-10-12
6|25000|Divorced|2006-01-25

```

```

12|75000|Engaged|2007-12-19
13|75000|Single|2010-07-23
Please Choose from the options
1.Enter new Expense
2.Exit
1
Select one SSN from Employee
6
Please enter the date of Expense
month(mm):
09
day(dd):
08
year(yyyy):
2017
Please the amount of Expense
250
Please enter the description of the expense
Team Lunch

This is the List of Employee's Expenses
SSN || Expense_date || Amount || Description
6|2017-09-08|250|Team Lunch
11|2017-05-06|100|Burger
12|2017-09-08|50|Soft Drinks

This is the List of Employees
SSN || salary || Marital_Status || Hire_Date
11|20000|Single|2004-04-15
1|50000|Married|2009-10-12
6|25000|Divorced|2006-01-25
12|75000|Engaged|2007-12-19
13|75000|Single|2010-07-23
Please Choose from the options
1.Enter new Expense
2.Exit
1
Select one SSN from Employee
12
Please enter the date of Expense
month(mm):
10
day(dd):
25
year(yyyy):
2017
Please the amount of Expense
150
Please enter the description of the expense
Cola

This is the List of Employee's Expenses
SSN || Expense_date || Amount || Description
6|2017-09-08|250|Team Lunch
11|2017-05-06|100|Burger

```

12|2017-09-08|50|Soft Drinks  
12|2017-10-25|150|Cola

This is the List of Employees  
SSN || salary || Marital\_Status || Hire\_Date  
11|20000|Single|2004-04-15  
1|50000|Married|2009-10-12  
6|25000|Divorced|2006-01-25  
12|75000|Engaged|2007-12-19  
13|75000|Single|2010-07-23  
Please Choose from the options  
1.Enter new Expense  
2.Exit

1  
Select one SSN from Employee  
1  
Please enter the date of Expense  
month(mm):  
10  
day(dd):  
10  
year(yyyy):  
2017  
Please enter the amount of Expense  
75  
Please enter the description of the expense  
Postal Charges

This is the List of Employee's Expenses  
SSN || Expense\_date || Amount || Description  
1|2017-10-10|75|Postal Charges  
6|2017-09-08|250|Team Lunch  
11|2017-05-06|100|Burger  
12|2017-09-08|50|Soft Drinks  
12|2017-10-25|150|Cola

This is the List of Employees  
SSN || salary || Marital\_Status || Hire\_Date  
11|20000|Single|2004-04-15  
1|50000|Married|2009-10-12  
6|25000|Divorced|2006-01-25  
12|75000|Engaged|2007-12-19  
13|75000|Single|2010-07-23  
Please Choose from the options  
1.Enter new Expense  
2.Exit  
1  
Select one SSN from Employee  
13  
Please enter the date of Expense  
month(mm):  
12  
day(dd):  
11  
year(yyyy):

2017

Please the amount of Expense

175

Please enter the description of the expense

Rental Car

This is the List of Employee's Expenses

SSN	Expense_date	Amount	Description
1	2017-10-10	75	Postal Charges
6	2017-09-08	250	Team Lunch
11	2017-05-06	100	Burger
12	2017-09-08	50	Soft Drinks
12	2017-10-25	150	Cola
13	2017-12-11	175	Rental Car

This is the List of Employees

SSN	salary	Marital_Status	Hire_Date
11	20000	Single	2004-04-15
1	50000	Married	2009-10-12
6	25000	Divorced	2006-01-25
12	75000	Engaged	2007-12-19
13	75000	Single	2010-07-23

Please Choose from the options

1.Enter new Expense

2.Exit

2

-----  
-----  
Welcome to the Database of Individual Project of Prithviraj Kadiyala  
-----  
-----

Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name

14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
18. Quit

18

Thank You for using the Program



## 6.7 Script File Showing Execution of Query 7

```
-----
Welcome to the Database of Individual Project of Prithviraj Kadiyala
-----
Please Enter you option(1-17):
1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
18. Quit
```

7

```
This is the List of Organizations
Organization Name || Mailing_Address || Phone_Number || Contact_Person
```

Please enter your option below

1. Enter a new Organization.
2. Associate Organization with a Team.

1

Please enter Organization Name

LoveWorks

Please enter Address of the Organization

Norman

Please enter phone number of the Organization

4052223333

Please enter the contact person in the organization

Chris

This is the List of Organizations

Organization Name	Mailing_Address	Phone_Number	Contact_Person
-------------------	-----------------	--------------	----------------

LoveWorks	Norman	4052223333	Chris
-----------	--------	------------	-------

This is the List of Organizations

Organization Name	Mailing_Address	Phone_Number	Contact_Person
-------------------	-----------------	--------------	----------------

LoveWorks	Norman	4052223333	Chris
-----------	--------	------------	-------

Please enter your option below

1.Enter a new Organization.

2.Associate Organization with a Team.

1

Please enter Organization Name

United Way

Please enter Address of the Organization

Oklahoma City

Please enter phone number of the Organization

4055556666

Please enter the contact person in the organization

Wyatt

This is the List of Organizations

Organization Name	Mailing_Address	Phone_Number	Contact_Person
-------------------	-----------------	--------------	----------------

LoveWorks	Norman	4052223333	Chris
-----------	--------	------------	-------

United Way	Oklahoma City	4055556666	Wyatt
------------	---------------	------------	-------

This is the List of Organizations

Organization Name	Mailing_Address	Phone_Number	Contact_Person
-------------------	-----------------	--------------	----------------

LoveWorks	Norman	4052223333	Chris
-----------	--------	------------	-------

United Way	Oklahoma City	4055556666	Wyatt
------------	---------------	------------	-------

Please enter your option below

1.Enter a new Organization.

2.Associate Organization with a Team.

1

Please enter Organization Name

Abbott House

Please enter Address of the Organization

Norman

Please enter phone number of the Organization

4051114444

Please enter the contact person in the organization

Philip

This is the List of Organizations

Organization Name	Mailing_Address	Phone_Number	Contact_Person
-------------------	-----------------	--------------	----------------

LoveWorks	Norman	4052223333	Chris
-----------	--------	------------	-------

United Way	Oklahoma City	4055556666	Wyatt
------------	---------------	------------	-------

Abbott House|Norman|4051114444|Philip

This is the List of Organizations

Organization Name	Mailing_Address	Phone_Number	Contact_Person
LoveWorks	Norman	4052223333	Chris
United Way	Oklahoma City	4055556666	Wyatt
Abbott House	Norman	4051114444	Philip

Please enter your option below

- 1.Enter a new Organization.
- 2.Associate Organization with a Team.
- 3.Main Menu

1

Please enter Organization Name

Conoco Philips

Please enter Address of the Organization

Denver

Please enter phone number of the Organization

7084446666

Please enter the contact person in the organization

James

This is the List of Organizations

Organization Name	Mailing_Address	Phone_Number	Contact_Person
LoveWorks	Norman	4052223333	Chris
United Way	Oklahoma City	4055556666	Wyatt
Abbott House	Norman	4051114444	Philip
Conoco Philips	Denver	7084446666	James

This is the List of Organizations

Organization Name	Mailing_Address	Phone_Number	Contact_Person
LoveWorks	Norman	4052223333	Chris
United Way	Oklahoma City	4055556666	Wyatt
Abbott House	Norman	4051114444	Philip
Conoco Philips	Denver	7084446666	James

Please enter your option below

- 1.Enter a new Organization.
- 2.Associate Organization with a Team.
- 3.Main Menu

1

Please enter Organization Name

AT&T

Please enter Address of the Organization

Austin

Please enter phone number of the Organization

4657778888

Please enter the contact person in the organization

Graham

This is the List of Organizations

Organization Name	Mailing_Address	Phone_Number	Contact_Person
LoveWorks	Norman	4052223333	Chris
United Way	Oklahoma City	4055556666	Wyatt
Abbott House	Norman	4051114444	Philip

Conoco Philips|Denver|7084446666|James  
AT&T|Austin|4657778888|Graham

This is the List of Organizations  
Organization Name || Mailing\_Address || Phone\_Number || Contact\_Person  
LoveWorks|Norman|4052223333|Chris  
United Way|Oklahoma City|4055556666|Wyatt  
Abbott House|Norman|4051114444|Philip  
Conoco Philips|Denver|7084446666|James  
AT&T|Austin|4657778888|Graham

Please enter your option below  
1.Enter a new Organization.  
2.Associate Organization with a Team.  
3.Main Menu  
2

This is the Team List

Team\_Name || Team\_Type || Date\_Formed  
Team1|Premium Assistance|2016-01-01  
Team2|Copayment Assistance|2016-01-02  
Team3|Ancillary Assistance|2016-01-03  
Team4|Nursing Assistance|2016-01-04  
Team5|Travel Assistance|2016-01-05  
Please enter the Team\_Name from the list above

Team1  
Please enter the Organization Name from the list above  
LoveWorks

This is the List of Sponsors  
Organization Name || Team\_Name  
LoveWorks|Team1

This is the List of Organizations  
Organization Name || Mailing\_Address || Phone\_Number || Contact\_Person  
LoveWorks|Norman|4052223333|Chris  
United Way|Oklahoma City|4055556666|Wyatt  
Abbott House|Norman|4051114444|Philip  
Conoco Philips|Denver|7084446666|James  
AT&T|Austin|4657778888|Graham

Please enter your option below  
1.Enter a new Organization.  
2.Associate Organization with a Team.  
3.Main Menu  
2

This is the Team List

Team\_Name || Team\_Type || Date\_Formed  
Team1|Premium Assistance|2016-01-01  
Team2|Copayment Assistance|2016-01-02  
Team3|Ancillary Assistance|2016-01-03  
Team4|Nursing Assistance|2016-01-04

Team5|Travel Assistance|2016-01-05

Please enter the Team\_Name from the list above

Team2

Please enter the Organization Name from the list above

United Way

This is the List of Sponsors

Organization Name || Team\_Name

LoveWorks|Team1

United Way|Team2

This is the List of Organizations

Organization Name || Mailing\_Address || Phone\_Number || Contact\_Person

LoveWorks|Norman|4052223333|Chris

United Way|Oklahoma City|4055556666|Wyatt

Abbott House|Norman|4051114444|Philip

Conoco Philips|Denver|7084446666|James

AT&T|Austin|4657778888|Graham

Please enter your option below

1.Enter a new Organization.

2.Associate Organization with a Team.

3.Main Menu

2

This is the Team List

Team\_Name || Team\_Type || Date\_Formed

Team1|Premium Assistance|2016-01-01

Team2|Copayment Assistance|2016-01-02

Team3|Ancillary Assistance|2016-01-03

Team4|Nursing Assistance|2016-01-04

Team5|Travel Assistance|2016-01-05

Please enter the Team\_Name from the list above

Team3

Please enter the Organization Name from the list above

Abbott House

This is the List of Sponsors

Organization Name || Team\_Name

Abbott House|Team3

LoveWorks|Team1

United Way|Team2

This is the List of Organizations

Organization Name || Mailing\_Address || Phone\_Number || Contact\_Person

LoveWorks|Norman|4052223333|Chris

United Way|Oklahoma City|4055556666|Wyatt

Abbott House|Norman|4051114444|Philip

Conoco Philips|Denver|7084446666|James

AT&T|Austin|4657778888|Graham

Please enter your option below

1.Enter a new Organization.

2.Associate Organization with a Team.

### 3.Main Menu

2

This is the Team List

Team_Name	Team_Type	Date_Formed
Team1	Premium Assistance	2016-01-01
Team2	Copayment Assistance	2016-01-02
Team3	Ancillary Assistance	2016-01-03
Team4	Nursing Assistance	2016-01-04
Team5	Travel Assistance	2016-01-05

Please enter the Team\_Name from the list above

Team3

Please enter the Organization Name from the list above

Conoco Philips

This is the List of Sponsors

Organization Name	Team_Name
Abbott House	Team3
Conoco Philips	Team3
LoveWorks	Team1
United Way	Team2

This is the List of Organizations

Organization Name	Mailing_Address	Phone_Number	Contact_Person
LoveWorks	Norman	4052223333	Chris
United Way	Oklahoma City	4055556666	Wyatt
Abbott House	Norman	4051114444	Philip
Conoco Philips	Denver	7084446666	James
AT&T	Austin	4657778888	Graham

Please enter your option below

1.Enter a new Organization.

2.Associate Organization with a Team.

3.Main Menu

2

This is the Team List

Team_Name	Team_Type	Date_Formed
Team1	Premium Assistance	2016-01-01
Team2	Copayment Assistance	2016-01-02
Team3	Ancillary Assistance	2016-01-03
Team4	Nursing Assistance	2016-01-04
Team5	Travel Assistance	2016-01-05

Please enter the Team\_Name from the list above

Team5

Please enter the Organization Name from the list above

AT&T

This is the List of Sponsors

Organization Name	Team_Name
AT&T	Team5
Abbott House	Team3
Conoco Philips	Team3

LoveWorks|Team1  
United Way|Team2

This is the List of Organizations

Organization Name	Mailing_Address	Phone_Number	Contact_Person
LoveWorks	Norman	4052223333	Chris
United Way	Oklahoma City	4055556666	Wyatt
Abbott House	Norman	4051114444	Philip
Conoco Philips	Denver	7084446666	James
AT&T	Austin	4657778888	Graham

Please enter your option below

- 1.Enter a new Organization.
- 2.Associate Organization with a Team.
- 3.Main Menu

2

This is the Team List

Team_Name	Team_Type	Date_Formed
Team1	Premium Assistance	2016-01-01
Team2	Copayment Assistance	2016-01-02
Team3	Ancillary Assistance	2016-01-03
Team4	Nursing Assistance	2016-01-04
Team5	Travel Assistance	2016-01-05

Please enter the Team\_Name from the list above

Team4

Please enter the Organization Name from the list above

AT&T

This is the List of Sponsors

Organization Name	Team_Name
AT&T	Team4
AT&T	Team5
Abbott House	Team3
Conoco Philips	Team3
LoveWorks	Team1
United Way	Team2

This is the List of Organizations

Organization Name	Mailing_Address	Phone_Number	Contact_Person
LoveWorks	Norman	4052223333	Chris
United Way	Oklahoma City	4055556666	Wyatt
Abbott House	Norman	4051114444	Philip
Conoco Philips	Denver	7084446666	James
AT&T	Austin	4657778888	Graham

Please enter your option below

- 1.Enter a new Organization.
- 2.Associate Organization with a Team.
- 3.Main Menu

2

This is the Team List

```

Team_Name || Team_Type || Date_Formed
Team1|Premium Assistance|2016-01-01
Team2|Copayment Assistance|2016-01-02
Team3|Ancillary Assistance|2016-01-03
Team4|Nursing Assistance|2016-01-04
Team5|Travel Assistance|2016-01-05
Please enter the Team_Name from the list above

```

Team1

Please enter the Organization Name from the list above

United Way

```

This is the List of Sponsors
Organization Name || Team_Name
AT&T|Team4
AT&T|Team5
Abbott House|Team3
Conoco Philips|Team3
LoveWorks|Team1
United Way|Team1
United Way|Team2

```

```

This is the List of Organizations
Organization Name || Mailing_Address || Phone_Number || Contact_Person
LoveWorks|Norman|4052223333|Chris
United Way|Oklahoma City|4055556666|Wyatt
Abbott House|Norman|4051114444|Philip
Conoco Philips|Denver|7084446666|James
AT&T|Austin|4657778888|Graham

```

Please enter your option below

- 1.Enter a new Organization.
- 2.Associate Organization with a Team.
- 3.Main Menu

3

```

-----
-----
Welcome to the Database of Individual Project of Prithviraj Kadiyala
-----
-----

```

Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.



The list should be sorted by the total amount of expenses

12. Retrieve the list of volunteers that are members of teams that support a particular client

13. Retrieve the names and contact information of the clients that are supported by teams sponsored by

an organization whose name starts with a letter between B and K. The client list should be sorted by name

14. Retrieve the name and total amount donated by donors that are also employees. The list should be

sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous

15. For each team, retrieve the name and associated contact information of the volunteer that has worked

the most total hours between March and June

16. Increase the salary by 10% of all employees to whom more than one team must report

17. Delete all clients who do not have health insurance and whose value of importance for transportation

is less than 5

18. Quit

18

Thank You for using the Program

## 6.8 Script File Showing Execution of Query 8

```
-----
Welcome to the Database of Individual Project of Prithviraj Kadiyala
-----

Please Enter you option(1-17):
1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
18. Quit
```

8

This is the Persons Table

SSN	Person_Name	Birthdate	date	Race	Gender	Profession	Mailing_Address	Email	Home_number	Work_Number	Phone_Number	Subscription
6	Person6	1994-09-03	Asian	Female	Singer	Address6	person6@gmail.com	666	666	666	Yes	
7	Person7	1993-06-05	American	Female	Attorney	Address7	person7@gmail.com	777	777	777	No	
11	Person11	1992-10-26	Middle East	Female	Cashier	Address11	person11@gmail.com	111111	111111	111111	Yes	

12|Person12|1995-06-05|Africa|Male|Athlete|Address12|person12@gmail.com|121212|121212|121212|Yes  
 13|Person13|2009-10-25|Asian|Male|Mathematician|Address13|person13@gmail.com|131313|131313|131313|Yes  
 2|Person2|1990-01-01|Asian|Female|Teacher|Address2|person2@gmail.com|456|789|123|Yes  
 3|Person3|1992-05-08|Middle East|Male|Analyst|Address3|person3@gmail.com|333|333|333|No  
 14|Peerson14|1990-10-05|Asian|Male|Professor|Address14|person14@gmail.com|141414|141414|141414|Yes  
 1|Person1|1996-02-16|American|Male|Professor|Address1|person1@gmail.com|123|456|789|Yes  
 4|Person4|1995-09-15|Europe|Male|Plumber|Address4|person4@gmail.com|444|444|444|Yes  
 5|Person5|1991-11-21|Africa|Female|Astronaut|Address5|person5@gmail.com|555|555|555|No  
 8|Person8|1990-05-04|Europe|Male|Mechanic|Address8|person8@gmail.com|888|888|888|No  
 9|Person9|1994-09-05|Africa|Female|Scientist|Address9|person9@gmail.com|999|999|999|Yes  
 10|Person10|1991-08-02|Asian|Female|Pilot|person10@gmail.com|person10@gmail.com|101010|101010|101010|Yes

Please select one from the following

- 1.Enter New Person
- 2.Enter New Donor
- 3.Associate donor with Donations
- 4.Main Menu

2

Please enter the SSN of the person who wishes to be a Donor

11

Does the Donor wishes to be anonymous?

- 1.Yes
- 2.No

1

This is the Donors Table

SSN	Anonymous
-----	-----------

11|Yes

Please enter the amount Donor wants to donate

500

Please enter the Date of the donation

month(mm):

06

day(dd):

05

year(yyyy):

2017

Enter the fundraising Campaign towards which amount is donated

CrowdRise

Please enter donation type

- 1.Card
- 2.Check

2

Please provide the Check Number

002015

This is the Donors Table

SSN	Donation Date	Donation Amount	Donation Type	Fundraising Campaign
-----	---------------	-----------------	---------------	----------------------

11|2017-06-05|500|Check|CrowdRise

This is the Check Donors Table

SSN || Donation Date || Donation Amount || Check number

11|2017-06-05|500|2015

Please select one from the following

1.Enter New Person

2.Enter New Donor

3.Associate donor with Donations

4.Main Menu

2

Please enter the SSN of the person who wishes to be a Donor

14

Does the Donor wishes to be anonymous?

1.Yes

2.No

2

This is the Donors Table

SSN || Anonymous

11|Yes

14|No

Please enter the amount Donor wants to donate

250

Please enter the Date of the donation

month(mm):

06

day(dd):

04

year(yyyy):

2017

Enter the fundraising Campaign towards which amount is donated

DonorsChoose

Please enter donation type

1.Card

2.Check

1

Please provide the Card Number

124563

Please enter the card type

Credit

Please enter the expiry date of the card

month(mm):

09

day(dd):

08

year(yyyy):

2022

This is the Donors Table

SSN || Donation Date || Donation Amount || Donation Type || Fundraising Campaign

11|2017-06-05|500|Check|CrowdRise

14|2017-06-04|250|Card|DonorsChoose

This is the Card Donors Table

SSN || Donation Date || Donation Amount || Card number || Card Type || Expiry Date  
14|2017-06-04|250|124563|Credit|2022-09-08

Please select one from the following

- 1.Enter New Person
- 2.Enter New Donor
- 3.Associate donor with Donations
- 4.Main Menu

2

Please enter the SSN of the person who wishes to be a Donor

4

Does the Donor wishes to be anonymous?

- 1.Yes
- 2.No

1

This is the Donors Table

SSN || Anonymous

11|Yes

4|Yes

14|No

Please enter the amount Donor wants to donate

400

Please enter the Date of the donation

month(mm):

07

day(dd):

05

year(yyyy):

2017

Enter the fundraising Campaign towards which amount is donated

FirstGiving

Please enter donation type

- 1.Card
- 2.Check

2

Please provide the Check Number

112058

This is the Donors Table

SSN || Donation Date || Donation Amount || Donation Type || Fundraising Campaign

11|2017-06-05|500|Check|CrowdRise

4|2017-07-05|400|Check|FirstGiving

14|2017-06-04|250|Card|DonorsChoose

This is the Check Donors Table

SSN || Donation Date || Donation Amount || Check number

4|2017-07-05|400|112058

11|2017-06-05|500|2015

Please select one from the following

- 1.Enter New Person
- 2.Enter New Donor
- 3.Associate donor with Donations
- 4.Main Menu

2

Please enter the SSN of the person who wishes to be a Donor

8

Does the Donor wishes to be anonymous?

1.Yes

2.No

2

This is the Donors Table

SSN || Anonymous

11|Yes

4|Yes

8|No

14|No

Please enter the amount Donor wants to donate

8900

Please enter the Date of the donation

month(mm):

07

day(dd):

03

year(yyyy):

2017

Enter the fundraising Campaign towards which amount is donated

FundRazr

Please enter donation type

1.Card

2.Check

1

Please provide the Card Number

1458965

Please enter the card type

Debit

Please enter the expiry date of the card

month(mm):

05

day(dd):

25

year(yyyy):

2017

This is the Donors Table

SSN || Donation Date || Donation Amount || Donation Type || Fundraising Campaign

11|2017-06-05|500|Check|CrowdRise

4|2017-07-05|400|Check|FirstGiving

8|2017-07-03|8900|Card|FundRazr

14|2017-06-04|250|Card|DonorsChoose

This is the Card Donors Table

SSN || Donation Date || Donation Amount || Card number || Card Type || Expiry Date

14|2017-06-04|250|124563|Credit|2022-09-08

8|2017-07-03|8900|1458965|Debit|2017-05-25

Please select one from the following

1.Enter New Person

2.Enter New Donor

3.Associate donor with Donations

4.Main Menu

2  
Please enter the SSN of the person who wishes to be a Donor

12  
Does the Donor wishes to be anonymous?

1.Yes

2.No

2

This is the Donors Table

SSN || Anonymous

11|Yes

4|Yes

8|No

14|No

12|No

Please enter the amount Donor wants to donate

1500

Please enter the Date of the donation

month(mm):

03

day(dd):

20

year(yyyy):

2017

Enter the fundraising Campaign towards which amount is donated

CrowdRise

Please enter donation type

1.Card

2.Check

2

Please provide the Check Number

15003246

This is the Donors Table

SSN || Donation Date || Donation Amount || Donation Type || Fundraising Campaign

11|2017-06-05|500|Check|CrowdRise

4|2017-07-05|400|Check|FirstGiving

8|2017-07-03|8900|Card|FundRazr

14|2017-06-04|250|Card|DonorsChoose

12|2017-03-20|1500|Check|CrowdRise

This is the Check Donors Table

SSN || Donation Date || Donation Amount || Check number

4|2017-07-05|400|112058

11|2017-06-05|500|2015

12|2017-03-20|1500|15003246

Please select one from the following

1.Enter New Person

2.Enter New Donor

3.Associate donor with Donations

4.Main Menu

3

Enter the SSN of the Donor who wants to donate

12

Please enter the amount Donor wants to donate

500

Please enter the Date of the donation

month(mm):

03

day(dd):

07

year(yyyy):

2017

Enter the fundraising Campaign towards which amount is donated

FirstGiving

Please enter donation type

1.Card

2.Check

2

Please provide the Check Number

1502236

This is the Donors Table

SSN	Donation Date	Donation Amount	Donation Type	Fundraising Campaign
-----	---------------	-----------------	---------------	----------------------

11	2017-06-05	500	Check	CrowdRise
----	------------	-----	-------	-----------

4	2017-07-05	400	Check	FirstGiving
---	------------	-----	-------	-------------

8	2017-07-03	8900	Card	FundRazr
---	------------	------	------	----------

14	2017-06-04	250	Card	DonorsChoose
----	------------	-----	------	--------------

12	2017-03-20	1500	Check	CrowdRise
----	------------	------	-------	-----------

8	2017-03-07	500	Check	FirstGiving
---	------------	-----	-------	-------------

This is the Check Donors Table

SSN	Donation Date	Donation Amount	Check number
-----	---------------	-----------------	--------------

4	2017-07-05	400	112058
---	------------	-----	--------

11	2017-06-05	500	2015
----	------------	-----	------

12	2017-03-20	1500	15003246
----	------------	------	----------

8	2017-03-07	500	1502236
---	------------	-----	---------

Please select one from the following

1.Enter New Person

2.Enter New Donor

3.Associate donor with Donations

4.Main Menu

4

-----  
-----  
Welcome to the Database of Individual Project of Prithviraj Kadiyala  
-----  
-----

Please Enter you option(1-17):

1. Enter a new team into the database

2. Enter a new client into the database and associate him or her with one or more teams

3. Enter a new volunteer into the database and associate him or her with one or more teams

4. Enter the number of hours a volunteer worked this month for a particular team

5. Enter a new employee into the database and associate him or her with one or more teams

6. Enter an expense charged by an employee



7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
18. Quit

18

Thank You for using the Program

## 6.9 Script File Showing Execution of Query 9

```
-----
Welcome to the Database of Individual Project of Prithviraj Kadiyala
-----

Please Enter you option(1-17):
1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more
teams
3. Enter a new volunteer into the database and associate him or her with one or more
teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more
teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular
period of time.
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a
particular client
13. Retrieve the names and contact information of the clients that are supported by
teams sponsored by
an organization whose name starts with a letter between B and K. The client list
should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The
list should be
sorted by the total amount of the donations, and indicate if each donor wishes to
remain anonymous
15. For each team, retrieve the name and associated contact information of the
volunteer that has worked
the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must
report
17. Delete all clients who do not have health insurance and whose value of importance
for transportation
is less than 5
18. Quit
```

9

```
This is the Organizations Table
Organization_Name || Mailing Address || Phone Number || Contact Person
LoveWorks|Norman|4052223333|Chris
United Way|Oklahoma City|4055556666|Wyatt
Abbott House|Norman|4051114444|Philip
Conoco Philips|Denver|7084446666|James
AT&T|Austin|4657778888|Graham
Please select one from the following
1.Enter New Organization into the System
```

2.Associate Organization with Donations

3.Main Menu

1

Please enter the Organization Name

Verizon

Please enter the mailing address of the Organization

Address6

Please enter the phone number of the Organization

4051234567

Please enter the name of the contact person in the Organization

Jackson

Does the Donor wish to be anonymous?

1.Yes

2.No

2

This is the Organizations Table

Organization_Name	Mailing Address	Phone Number	Contact Person
-------------------	-----------------	--------------	----------------

Verizon	Address6	4051234567	Jackson
---------	----------	------------	---------

LoveWorks	Norman	4052223333	Chris
-----------	--------	------------	-------

United Way	Oklahoma City	4055556666	Wyatt
------------	---------------	------------	-------

Abbott House	Norman	4051114444	Philip
--------------	--------	------------	--------

Conoco Philips	Denver	7084446666	James
----------------	--------	------------	-------

AT&T	Austin	4657778888	Graham
------	--------	------------	--------

This is the Organizations Donors Table

Organization_Name	Anonymous
-------------------	-----------

Verizon	No
---------	----

Please enter the amount Organization wants to donate

25000

Please enter the Date of the donation

month(mm):

06

day(dd):

05

year(yyyy):

2017

Enter the fundraising Campaign towards which amount is donated

FundRazr

Please enter donation type

1.Card

2.Check

2

Please provide the Check Number

110258

This is the Organization Donate Table

Organization_Name	Donation Date	Donation Amount	Donation Type	Fundraising Campaign
-------------------	---------------	-----------------	---------------	----------------------

Verizon	2017-06-05	25000	Check	FundRazr
---------	------------	-------	-------	----------

This is the Check Organization Table

Organization_Name	Donation Date	Donation Amount	Check number
-------------------	---------------	-----------------	--------------

Verizon	2017-06-05	25000	110258
---------	------------	-------	--------

This is the Organizations Table

Organization_Name	Mailing Address	Phone Number	Contact Person
Verizon	Address6	4051234567	Jackson
LoveWorks	Norman	4052223333	Chris
United Way	Oklahoma City	4055556666	Wyatt
Abbott House	Norman	4051114444	Philip
Conoco Philips	Denver	7084446666	James
AT&T	Austin	4657778888	Graham

Please select one from the following

1. Enter New Organization into the System
2. Associate Organization with Donations
3. Main Menu

1

Please enter the Organization Name

Sprint

Please enter the mailing address of the Organization

Address7

Please enter the phone number of the Organization

7051234567

Please enter the name of the contact person in the Organization

Autrey

Does the Donor wish to be anonymous?

1. Yes
2. No

1

This is the Organizations Table

Organization_Name	Mailing Address	Phone Number	Contact Person
Verizon	Address6	4051234567	Jackson
Sprint	Address7	7051234567	Autrey
LoveWorks	Norman	4052223333	Chris
United Way	Oklahoma City	4055556666	Wyatt
Abbott House	Norman	4051114444	Philip
Conoco Philips	Denver	7084446666	James
AT&T	Austin	4657778888	Graham

This is the Organizations Donors Table

Organization_Name	Anonymous
Verizon	No
Sprint	Yes

Please enter the amount Organization wants to donate

15000

Please enter the Date of the donation

month(mm):

02

day(dd):

01

year(yyyy):

2017

Enter the fundraising Campaign towards which amount is donated

DonorsChoose

Please enter donation type

1. Card
2. Check

1

Please provide the Card Number

10254678

Please enter the card type

Credit

Please enter the expiry date of the card

month(mm):

06

day(dd):

08

year(yyyy):

2023

This is the Organization Donate Table

Organization_Name	Donation Date	Donation Amount	Donation Type
Verizon	2017-06-05	25000	Check
FundRazr			
Sprint	2017-02-01	15000	Card
DonorsChoose			

This is the Card Organization Table

Organization_Name	Donation Date	Donation Amount	Card number	Card Type	Expiry Date
Sprint	2017-02-01	15000	10254678	Credit	2023-06-08

This is the Organizations Table

Organization_Name	Mailing Address	Phone Number	Contact Person
Verizon	Address6	4051234567	Jackson
Sprint	Address7	7051234567	Autrey
LoveWorks	Norman	4052223333	Chris
United Way	Oklahoma City	4055556666	Wyatt
Abbott House	Norman	4051114444	Philip
Conoco Philips	Denver	7084446666	James
AT&T	Austin	4657778888	Graham

Please select one from the following

- 1.Enter New Organization into the System
- 2.Associate Organization with Donations
- 3.Main Menu

1

Please enter the Organization Name

SAP

Please enter the mailing address of the Organization

Address8

Please enter the phone number of the Organization

8051234567

Please enter the name of the contact person in the Organization

Redae

Does the Donor wish to be anonymous?

1.Yes

2.No

1

This is the Organizations Table

Organization_Name	Mailing Address	Phone Number	Contact Person
Verizon	Address6	4051234567	Jackson
Sprint	Address7	7051234567	Autrey
SAP	Address8	8051234567	Redae

LoveWorks|Norman|4052223333|Chris  
United Way|Oklahoma City|4055556666|Wyatt  
Abbott House|Norman|4051114444|Philip  
Conoco Philips|Denver|7084446666|James  
AT&T|Austin|4657778888|Graham

This is the Organizations Donors Table

Organization\_Name || Anonymous  
Verizon|No  
Sprint|Yes  
SAP|Yes

Please enter the amount Organization wants to donate

1000

Please enter the Date of the donation

month(mm):

02

day(dd):

25

year(yyyy):

2017

Enter the fundraising Campaign towards which amount is donated

FirstGiving

Please enter donation type

1.Card

2.Check

2

Please provide the Check Number

1024589

This is the Organization Donate Table

Organization\_Name || Donation Date || Donation Amount || Donation Type ||  
Fundraising Campaign

Verizon|2017-06-05|25000|Check|FundRazr

Sprint|2017-02-01|15000|Card|DonorsChoose

SAP|2017-02-25|1000|Check|FirstGiving

This is the Check Organization Table

Organization\_Name || Donation Date || Donation Amount || Check number

SAP|2017-02-25|1000|1024589

Verizon|2017-06-05|25000|110258

This is the Organizations Table

Organization\_Name || Mailing Address || Phone Number || Contact Person

Verizon|Address6|4051234567|Jackson

Sprint|Address7|7051234567|Autrey

SAP|Address8|8051234567|Redae

LoveWorks|Norman|4052223333|Chris

United Way|Oklahoma City|4055556666|Wyatt

Abbott House|Norman|4051114444|Philip

Conoco Philips|Denver|7084446666|James

AT&T|Austin|4657778888|Graham

Please select one from the following

1.Enter New Organization into the System

2.Associate Organization with Donations

3.Main Menu

1

Please enter the Organization Name

Devon

Please enter the mailing address of the Organization

Oklahoma City

Please enter the phone number of the Organization

4121234567

Please enter the name of the contact person in the Organization

Nancy

Does the Donor wish to be anonymous?

1.Yes

2.No

2

This is the Organizations Table

Organization_Name	Mailing Address	Phone Number	Contact Person
Verizon	Address6	4051234567	Jackson
Sprint	Address7	7051234567	Autrey
SAP	Address8	8051234567	Redae
Devon	Oklahoma City	4121234567	Nancy
LoveWorks	Norman	4052223333	Chris
United Way	Oklahoma City	4055556666	Wyatt
Abbott House	Norman	4051114444	Philip
Conoco Philips	Denver	7084446666	James
AT&T	Austin	4657778888	Graham

This is the Organizations Donors Table

Organization_Name	Anonymous
Verizon	No
Sprint	Yes
SAP	Yes
Devon	No

Please enter the amount Organization wants to donate

50000

Please enter the Date of the donation

month(mm):

03

day(dd):

20

year(yyyy):

2017

Enter the fundraising Campaign towards which amount is donated

CrowdRise

Please enter donation type

1.Card

2.Check

1

Please provide the Card Number

10245687

Please enter the card type

Credit

Please enter the expiry date of the card

month(mm):

12

day(dd):

12

year(yyyy):

2024

This is the Organization Donate Table

Organization_Name	Donation Date	Donation Amount	Donation Type	Fundraising Campaign
Verizon	2017-06-05	25000	Check	FundRazr
Sprint	2017-02-01	15000	Card	DonorsChoose
SAP	2017-02-25	1000	Check	FirstGiving
Devon	2017-03-20	50000	Card	CrowdRise

This is the Card Organization Table

Organization_Name	Donation Date	Donation Amount	Card number	Card Type	Expiry Date
Sprint	2017-02-01	15000	10254678	Credit	2023-06-08
Devon	2017-03-20	50000	10245687	Credit	2024-12-12

This is the Organizations Table

Organization_Name	Mailing Address	Phone Number	Contact Person
Verizon	Address6	4051234567	Jackson
Sprint	Address7	7051234567	Autrey
SAP	Address8	8051234567	Redae
Devon	Oklahoma City	4121234567	Nancy
LoveWorks	Norman	4052223333	Chris
United Way	Oklahoma City	4055556666	Wyatt
Abbott House	Norman	4051114444	Philip
Conoco Philips	Denver	7084446666	James
AT&T	Austin	4657778888	Graham

Please select one from the following

- 1.Enter New Organization into the System
- 2.Associate Organization with Donations
- 3.Main Menu

1

Please enter the Organization Name

East India

Please enter the mailing address of the Organization

Arkansas

Please enter the phone number of the Organization

8951234567

Please enter the name of the contact person in the Organization

Roger

Does the Donor wish to be anonymous?

1.Yes

2.No

1

This is the Organizations Table

Organization_Name	Mailing Address	Phone Number	Contact Person
Verizon	Address6	4051234567	Jackson
Sprint	Address7	7051234567	Autrey
SAP	Address8	8051234567	Redae
Devon	Oklahoma City	4121234567	Nancy
East India	Arkansas	8951234567	Roger
LoveWorks	Norman	4052223333	Chris



United Way|Oklahoma City|4055556666|Wyatt  
Abbott House|Norman|4051114444|Philip  
Conoco Philips|Denver|7084446666|James  
AT&T|Austin|4657778888|Graham

This is the Organizations Donors Table

Organization\_Name || Anonymous  
Verizon|No  
Sprint|Yes  
SAP|Yes  
Devon|No  
East India|Yes  
Please enter the amount Organization wants to donate  
30000  
Please enter the Date of the donation  
month(mm):  
12  
day(dd):  
02  
year(yyyy):  
2017  
Enter the fundraising Campaign towards which amount is donated  
CrowdRise  
Please enter donation type  
1.Card  
2.Check  
2  
Please provide the Check Number  
1024578

This is the Organization Donate Table

Organization\_Name || Donation Date || Donation Amount || Donation Type ||  
Fundraising Campaign  
Verizon|2017-06-05|25000|Check|FundRazr  
Sprint|2017-02-01|15000|Card|DonorsChoose  
SAP|2017-02-25|1000|Check|FirstGiving  
Devon|2017-03-20|50000|Card|CrowdRise  
East India|2017-12-02|30000|Check|CrowdRise

This is the Check Organization Table

Organization\_Name || Donation Date || Donation Amount || Check number  
East India|2017-12-02|30000|1024578  
SAP|2017-02-25|1000|1024589  
Verizon|2017-06-05|25000|110258

This is the Organizations Table

Organization\_Name || Mailing Address || Phone Number || Contact Person  
Verizon|Address6|4051234567|Jackson  
Sprint|Address7|7051234567|Autrey  
SAP|Address8|8051234567|Redae  
Devon|Oklahoma City|4121234567|Nancy  
East India|Arkansas|8951234567|Roger  
LoveWorks|Norman|4052223333|Chris  
United Way|Oklahoma City|4055556666|Wyatt  
Abbott House|Norman|4051114444|Philip

Conoco Philips|Denver|7084446666|James  
 AT&T|Austin|4657778888|Graham  
 Please select one from the following  
 1.Enter New Organization into the System  
 2.Associate Organization with Donations  
 3.Main Menu  
 2  
 Please enter Organization Name from the above list to associate it with a donation  
 Verizon  
 Please enter the amount Organization wants to donate  
 50000  
 Please enter the Date of the donation  
 month(mm):  
 01  
 day(dd):  
 12  
 year(yyyy):  
 2017  
 Enter the fundraising Campaign towards which amount is donated  
 FirstGiving  
 Please enter donation type  
 1.Card  
 2.Check  
 2  
 Please provide the Check Number  
 451203258

This is the Organization Donate Table

Organization_Name	Donation Date	Donation Amount	Donation Type	Fundraising Campaign
Verizon	2017-06-05	25000	Check	FundRazr
Sprint	2017-02-01	15000	Card	DonorsChoose
SAP	2017-02-25	1000	Check	FirstGiving
Devon	2017-03-20	50000	Card	CrowdRise
East India	2017-12-02	30000	Check	CrowdRise
Verizon	2017-01-12	50000	Check	FirstGiving

This is the Organizations Table

Organization_Name	Mailing Address	Phone Number	Contact Person
Verizon	Address6	4051234567	Jackson
Sprint	Address7	7051234567	Autrey
SAP	Address8	8051234567	Redae
Devon	Oklahoma City	4121234567	Nancy
East India	Arkansas	8951234567	Roger
LoveWorks	Norman	4052223333	Chris
United Way	Oklahoma City	4055556666	Wyatt
Abbott House	Norman	4051114444	Philip
Conoco Philips	Denver	7084446666	James
AT&T	Austin	4657778888	Graham

Please select one from the following  
 1.Enter New Organization into the System  
 2.Associate Organization with Donations  
 3.Main Menu  
 3

-----  
-----  
Welcome to the Database of Individual Project of Prithviraj Kadiyala  
-----  
-----

Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by  
an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be  
sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked  
the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation  
is less than 5
18. Quit

18

Thank You for using the Program

## 6.10 Script File Showing Execution of Query 10

```
-----  
-----  
Welcome to the Database of Individual Project of Prithviraj Kadiyala  
-----  
-----  
Please Enter you option(1-17):  
1. Enter a new team into the database  
2. Enter a new client into the database and associate him or her with one or more  
teams  
3. Enter a new volunteer into the database and associate him or her with one or more  
teams  
4. Enter the number of hours a volunteer worked this month for a particular team  
5. Enter a new employee into the database and associate him or her with one or more  
teams  
6. Enter an expense charged by an employee  
7. Enter a new organization and associate it to one or more PAN teams  
8. Enter a new donor and associate him or her with several donations.  
9. Enter a new organization and associate it with several donations  
10. Retrieve the name and phone number of the doctor of a particular client  
11. Retrieve the total amount of expenses charged by each employee for a particular  
period of time.  
The list should be sorted by the total amount of expenses  
12. Retrieve the list of volunteers that are members of teams that support a  
particular client  
13. Retrieve the names and contact information of the clients that are supported by  
teams sponsored by  
an organization whose name starts with a letter between B and K. The client list  
should be sorted by name  
14. Retrieve the name and total amount donated by donors that are also employees. The  
list should be  
sorted by the total amount of the donations, and indicate if each donor wishes to  
remain anonymous  
15. For each team, retrieve the name and associated contact information of the  
volunteer that has worked  
the most total hours between March and June  
16. Increase the salary by 10% of all employees to whom more than one team must  
report  
17. Delete all clients who do not have health insurance and whose value of importance  
for transportation  
is less than 5  
18. Quit
```

10

```
Select * from Client
```

This is the Clients Table

SSN	Doc_Name	Doc_Number	Att_Name	Att_Phone	Date_Assigned
3	Person3_doc	333	Person3_Attorney	333	2016-01-03
1	Person1_doc	111	Person1_Attorney	111	2016-01-01
2	Person2_doc	222	Person2_Attorney	222	2016-01-02
4	Person4_doc	444	Person4_Attorney	444	2016-01-04
5	Person5_doc	555	Person5_Attorney	555	2016-01-05

Please enter the SSN of the client's Info you need

4

Details of the selected Client

SSN || Doc\_Name || Doc\_Phone

4|Person4\_doc|444

-----  
-----

Welcome to the Database of Individual Project of Prithviraj Kadiyala

-----  
-----

Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by  
an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be  
sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked  
the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation  
is less than 5
18. Quit

18

Thank You for using the Program

## 6.11. Script File Showing Execution of Query 11

```
-----  
Welcome to the Database of Individual Project of Prithviraj Kadiyala  
-----  
Please Enter you option(1-17):  
1. Enter a new team into the database  
2. Enter a new client into the database and associate him or her with one or more  
teams  
3. Enter a new volunteer into the database and associate him or her with one or more  
teams  
4. Enter the number of hours a volunteer worked this month for a particular team  
5. Enter a new employee into the database and associate him or her with one or more  
teams  
6. Enter an expense charged by an employee  
7. Enter a new organization and associate it to one or more PAN teams  
8. Enter a new donor and associate him or her with several donations.  
9. Enter a new organization and associate it with several donations  
10. Retrieve the name and phone number of the doctor of a particular client  
11. Retrieve the total amount of expenses charged by each employee for a particular  
period of time.  
The list should be sorted by the total amount of expenses  
12. Retrieve the list of volunteers that are members of teams that support a  
particular client  
13. Retrieve the names and contact information of the clients that are supported by  
teams sponsored by  
an organization whose name starts with a letter between B and K. The client list  
should be sorted by name  
14. Retrieve the name and total amount donated by donors that are also employees. The  
list should be  
sorted by the total amount of the donations, and indicate if each donor wishes to  
remain anonymous  
15. For each team, retrieve the name and associated contact information of the  
volunteer that has worked  
the most total hours between March and June  
16. Increase the salary by 10% of all employees to whom more than one team must  
report  
17. Delete all clients who do not have health insurance and whose value of importance  
for transportation  
is less than 5  
18. Quit  
  
11  
Please enter the start date of the expenses  
month(mm):  
08  
day(dd):  
01  
year(yyyy):  
2017  
Please enter the end date of the expenses  
month(mm):  
10
```

```
day(dd):
10
year(yyyy):
2017
```

```
SSN || Total Amount
12||50
1||75
6||250
```

```
-----
-----
Welcome to the Database of Individual Project of Prithviraj Kadiyala
-----
-----
```

Please Enter you option(1-17):

1. Enter a new team into the database
  2. Enter a new client into the database and associate him or her with one or more teams
  3. Enter a new volunteer into the database and associate him or her with one or more teams
  4. Enter the number of hours a volunteer worked this month for a particular team
  5. Enter a new employee into the database and associate him or her with one or more teams
  6. Enter an expense charged by an employee
  7. Enter a new organization and associate it to one or more PAN teams
  8. Enter a new donor and associate him or her with several donations.
  9. Enter a new organization and associate it with several donations
  10. Retrieve the name and phone number of the doctor of a particular client
  11. Retrieve the total amount of expenses charged by each employee for a particular period of time.
- The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
  13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name
  14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
  15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
  16. Increase the salary by 10% of all employees to whom more than one team must report
  17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
  18. Quit

```
18
Thank You for using the Program
```

## 6.12 Script File Showing Execution of Query 12

```
-----  
-----  
Welcome to the Database of Individual Project of Prithviraj Kadiyala  
-----  
-----  
Please Enter you option(1-17):  
1. Enter a new team into the database  
2. Enter a new client into the database and associate him or her with one or more  
teams  
3. Enter a new volunteer into the database and associate him or her with one or more  
teams  
4. Enter the number of hours a volunteer worked this month for a particular team  
5. Enter a new employee into the database and associate him or her with one or more  
teams  
6. Enter an expense charged by an employee  
7. Enter a new organization and associate it to one or more PAN teams  
8. Enter a new donor and associate him or her with several donations.  
9. Enter a new organization and associate it with several donations  
10. Retrieve the name and phone number of the doctor of a particular client  
11. Retrieve the total amount of expenses charged by each employee for a particular  
period of time.  
The list should be sorted by the total amount of expenses  
12. Retrieve the list of volunteers that are members of teams that support a  
particular client  
13. Retrieve the names and contact information of the clients that are supported by  
teams sponsored by  
an organization whose name starts with a letter between B and K. The client list  
should be sorted by name  
14. Retrieve the name and total amount donated by donors that are also employees. The  
list should be  
sorted by the total amount of the donations, and indicate if each donor wishes to  
remain anonymous  
15. For each team, retrieve the name and associated contact information of the  
volunteer that has worked  
the most total hours between March and June  
16. Increase the salary by 10% of all employees to whom more than one team must  
report  
17. Delete all clients who do not have health insurance and whose value of importance  
for transportation  
is less than 5  
18. Quit
```

12

```
Select * from Client
```

This is the Clients Table

SSN	Doc_Name	Doc_Number	Att_Name	Att_Phone	Date_Assigned
3	Person3_doc	333	Person3_Attorney	333	2016-01-03
1	Person1_doc	111	Person1_Attorney	111	2016-01-01
2	Person2_doc	222	Person2_Attorney	222	2016-01-02
4	Person4_doc	444	Person4_Attorney	444	2016-01-04
5	Person5_doc	555	Person5_Attorney	555	2016-01-05



Please enter the SSN of the client's Info you need

2

SSN

7

8

-----  
-----

Welcome to the Database of Individual Project of Prithviraj Kadiyala

-----  
-----

Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by  
an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be  
sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked  
the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation  
is less than 5
18. Quit

18

Thank You for using the Program

### 6.13 Script File Showing Execution of Query 13

```
-----
Welcome to the Database of Individual Project of Prithviraj Kadiyala
-----
Please Enter you option(1-17):
1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more
teams
3. Enter a new volunteer into the database and associate him or her with one or more
teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more
teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular
period of time.
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a
particular client
13. Retrieve the names and contact information of the clients that are supported by
teams sponsored by
an organization whose name starts with a letter between B and K. The client list
should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The
list should be
sorted by the total amount of the donations, and indicate if each donor wishes to
remain anonymous
15. For each team, retrieve the name and associated contact information of the
volunteer that has worked
the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must
report
17. Delete all clients who do not have health insurance and whose value of importance
for transportation
is less than 5
18. Quit

13
Name || Mailing_Address || Email || Home_Number || Work_Number || Phone_Number
Person3||Address3||person3@gmail.com|333|333|333
Person4||Address4||person4@gmail.com|444|444|444
Person5||Address5||person5@gmail.com|555|555|555
-----
Welcome to the Database of Individual Project of Prithviraj Kadiyala
-----
Please Enter you option(1-17):
```

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
18. Quit

18

Thank You for using the Program

## 6.14 Script File Showing Execution of Query 14

```
-----
Welcome to the Database of Individual Project of Prithviraj Kadiyala
-----
Please Enter you option(1-17):
1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more
teams
3. Enter a new volunteer into the database and associate him or her with one or more
teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more
teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular
period of time.
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a
particular client
13. Retrieve the names and contact information of the clients that are supported by
teams sponsored by
an organization whose name starts with a letter between B and K. The client list
should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The
list should be
sorted by the total amount of the donations, and indicate if each donor wishes to
remain anonymous
15. For each team, retrieve the name and associated contact information of the
volunteer that has worked
the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must
report
17. Delete all clients who do not have health insurance and whose value of importance
for transportation
is less than 5
18. Quit

14
Person Name || Total Donations ||Anonymous
Person11|500|Yes
Person12|2000|No
-----
```

```
-----
Welcome to the Database of Individual Project of Prithviraj Kadiyala
-----
Please Enter you option(1-17):
1. Enter a new team into the database
```

2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
18. Quit

18

Thank You for using the Program

## 6.15 Script File Showing Execution of Query 15

```
-----  
-----  
Welcome to the Database of Individual Project of Prithviraj Kadiyala  
-----  
-----  
Please Enter you option(1-17):  
1. Enter a new team into the database  
2. Enter a new client into the database and associate him or her with one or more  
teams  
3. Enter a new volunteer into the database and associate him or her with one or more  
teams  
4. Enter the number of hours a volunteer worked this month for a particular team  
5. Enter a new employee into the database and associate him or her with one or more  
teams  
6. Enter an expense charged by an employee  
7. Enter a new organization and associate it to one or more PAN teams  
8. Enter a new donor and associate him or her with several donations.  
9. Enter a new organization and associate it with several donations  
10. Retrieve the name and phone number of the doctor of a particular client  
11. Retrieve the total amount of expenses charged by each employee for a particular  
period of time.  
The list should be sorted by the total amount of expenses  
12. Retrieve the list of volunteers that are members of teams that support a  
particular client  
13. Retrieve the names and contact information of the clients that are supported by  
teams sponsored by  
an organization whose name starts with a letter between B and K. The client list  
should be sorted by name  
14. Retrieve the name and total amount donated by donors that are also employees. The  
list should be  
sorted by the total amount of the donations, and indicate if each donor wishes to  
remain anonymous  
15. For each team, retrieve the name and associated contact information of the  
volunteer that has worked  
the most total hours between March and June  
16. Increase the salary by 10% of all employees to whom more than one team must  
report  
17. Delete all clients who do not have health insurance and whose value of importance  
for transportation  
is less than 5  
18.Import  
19.Export  
20. Quit
```

15

Below is the Name and Contact Information of volunteers that have worked most for each team for months between March and June

SSN	Person Name	Mailing_Address	Email	Home_Number	Work_Number	Phone_Number
-----	-------------	-----------------	-------	-------------	-------------	--------------

9|Person9|Address9|person9@gmail.com|999|999|999  
6|Person6|Address6|person6@gmail.com|666|666|666  
8|Person8|Address8|person8@gmail.com|888|888|888

-----  
-----  
Welcome to the Database of Individual Project of Prithviraj Kadiyala  
-----  
-----

Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by  
an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be  
sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked  
the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation  
is less than 5
- 18.Import
- 19.Export
20. Quit

## 6.16 Script File Showing Execution of Query 16

```
-----  
-----  
Welcome to the Database of Individual Project of Prithviraj Kadiyala  
-----  
-----  
Please Enter you option(1-17):  
1. Enter a new team into the database  
2. Enter a new client into the database and associate him or her with one or more  
teams  
3. Enter a new volunteer into the database and associate him or her with one or more  
teams  
4. Enter the number of hours a volunteer worked this month for a particular team  
5. Enter a new employee into the database and associate him or her with one or more  
teams  
6. Enter an expense charged by an employee  
7. Enter a new organization and associate it to one or more PAN teams  
8. Enter a new donor and associate him or her with several donations.  
9. Enter a new organization and associate it with several donations  
10. Retrieve the name and phone number of the doctor of a particular client  
11. Retrieve the total amount of expenses charged by each employee for a particular  
period of time.  
The list should be sorted by the total amount of expenses  
12. Retrieve the list of volunteers that are members of teams that support a  
particular client  
13. Retrieve the names and contact information of the clients that are supported by  
teams sponsored by  
an organization whose name starts with a letter between B and K. The client list  
should be sorted by name  
14. Retrieve the name and total amount donated by donors that are also employees. The  
list should be  
sorted by the total amount of the donations, and indicate if each donor wishes to  
remain anonymous  
15. For each team, retrieve the name and associated contact information of the  
volunteer that has worked  
the most total hours between March and June  
16. Increase the salary by 10% of all employees to whom more than one team must  
report  
17. Delete all clients who do not have health insurance and whose value of importance  
for transportation  
is less than 5  
18.Import  
19.Export  
20. Quit
```

16

```
SSN || Salary || Marital_Status || Hire_Date  
11|22000|Single|2004-04-15  
1|50000|Married|2009-10-12  
6|25000|Divorced|2006-01-25  
12|75000|Engaged|2007-12-19
```



13|82500|Single|2010-07-23  
Salaries Updated

SSN	Salary	Marital_Status	Hire_Date
11 24200	Single	2004-04-15	
1 50000	Married	2009-10-12	
6 25000	Divorced	2006-01-25	
12 75000	Engaged	2007-12-19	
13 90750	Single	2010-07-23	

-----  
-----  
Welcome to the Database of Individual Project of Prithviraj Kadiyala  
-----  
-----

Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
- 18.Import
- 19.Export
20. Quit

## 6.17 Script File Showing Execution of Query 17

```
-----  
-----  
Welcome to the Database of Individual Project of Prithviraj Kadiyala  
-----  
-----  
Please Enter you option(1-17):  
1. Enter a new team into the database  
2. Enter a new client into the database and associate him or her with one or more  
teams  
3. Enter a new volunteer into the database and associate him or her with one or more  
teams  
4. Enter the number of hours a volunteer worked this month for a particular team  
5. Enter a new employee into the database and associate him or her with one or more  
teams  
6. Enter an expense charged by an employee  
7. Enter a new organization and associate it to one or more PAN teams  
8. Enter a new donor and associate him or her with several donations.  
9. Enter a new organization and associate it with several donations  
10. Retrieve the name and phone number of the doctor of a particular client  
11. Retrieve the total amount of expenses charged by each employee for a particular  
period of time.  
The list should be sorted by the total amount of expenses  
12. Retrieve the list of volunteers that are members of teams that support a  
particular client  
13. Retrieve the names and contact information of the clients that are supported by  
teams sponsored by  
an organization whose name starts with a letter between B and K. The client list  
should be sorted by name  
14. Retrieve the name and total amount donated by donors that are also employees. The  
list should be  
sorted by the total amount of the donations, and indicate if each donor wishes to  
remain anonymous  
15. For each team, retrieve the name and associated contact information of the  
volunteer that has worked  
the most total hours between March and June  
16. Increase the salary by 10% of all employees to whom more than one team must  
report  
17. Delete all clients who do not have health insurance and whose value of importance  
for transportation  
is less than 5  
18.Import  
19.Export  
20. Quit
```

17

```
Select * from Client
```

This is the Clients Table

SSN	Doc_Name	Doc_Number	Att_Name	Att_Phone	Date_Assigned
3	Person3_doc	333	Person3_Attorney	333	2016-01-03
1	Person1_doc	111	Person1_Attorney	111	2016-01-01
2	Person2_doc	222	Person2_Attorney	222	2016-01-02
4	Person4_doc	444	Person4_Attorney	444	2016-01-04

```
5|Person5_doc|555|Person5_Attorney|555|2016-01-05
Query Complete
Select * from Client
```

This is the Clients Table

SSN	Doc_Name	Doc_Number	Att_Name	Att_Phone	Date_Assigned
3	Person3_doc	333	Person3_Attorney	333	2016-01-03
1	Person1_doc	111	Person1_Attorney	111	2016-01-01
2	Person2_doc	222	Person2_Attorney	222	2016-01-02
4	Person4_doc	444	Person4_Attorney	444	2016-01-04
5	Person5_doc	555	Person5_Attorney	555	2016-01-05

Welcome to the Database of Individual Project of Prithviraj Kadiyala

Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by  
an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be  
sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked  
the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation  
is less than 5
- 18.Import
- 19.Export
20. Quit

## 6.18 Import and Export (Query 18)

```
-----
Welcome to the Database of Individual Project of Prithviraj Kadiyala
-----
Please Enter you option(1-17):
1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more
teams
3. Enter a new volunteer into the database and associate him or her with one or more
teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more
teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular
period of time.
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a
particular client
13. Retrieve the names and contact information of the clients that are supported by
teams sponsored by
an organization whose name starts with a letter between B and K. The client list
should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The
list should be
sorted by the total amount of the donations, and indicate if each donor wishes to
remain anonymous
15. For each team, retrieve the name and associated contact information of the
volunteer that has worked
the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must
report
17. Delete all clients who do not have health insurance and whose value of importance
for transportation
is less than 5
18.Import
19.Export
20. Quit
```

18

Please Enter the location of the File

C:\Users\prith\Desktop\input.txt

```
This is the Read Line | Team6| Premium Assistance|TO_DATE('01-06-2016', 'MM-DD-YYYY')
INSERT INTO Team (Team_Name,Team_Type,Date_Formed) values ('Team6',' Premium
Assistance',TO_DATE('01-06-2016', 'MM-DD-YYYY'))
```

This is the Team List

```

Team_Name || Team_Type || Date_Formed
Team1|Premium Assistance|2016-01-01
Team2|Copayment Assistance|2016-01-02
Team3|Ancillary Assistance|2016-01-03
Team4|Nursing Assistance|2016-01-04
Team5|Travel Assistance|2016-01-05
Team6| Premium Assistance|2016-01-06
This is the Read Line | Team7| Copayment Assistance|TO_DATE('01-07-2016', 'MM-DD-
YYYY')
INSERT INTO Team (Team_Name,Team_Type,Date_Formed) values ('Team7',' Copayment
Assistance',TO_DATE('01-07-2016', 'MM-DD-YYYY'))

```

This is the Team List

```

Team_Name || Team_Type || Date_Formed
Team1|Premium Assistance|2016-01-01
Team2|Copayment Assistance|2016-01-02
Team3|Ancillary Assistance|2016-01-03
Team4|Nursing Assistance|2016-01-04
Team5|Travel Assistance|2016-01-05
Team6| Premium Assistance|2016-01-06
Team7| Copayment Assistance|2016-01-07
This is the Read Line | Team8| Ancillary Assistance|TO_DATE('01-08-2016', 'MM-DD-
YYYY')
INSERT INTO Team (Team_Name,Team_Type,Date_Formed) values ('Team8',' Ancillary
Assistance',TO_DATE('01-08-2016', 'MM-DD-YYYY'))

```

This is the Team List

```

Team_Name || Team_Type || Date_Formed
Team1|Premium Assistance|2016-01-01
Team2|Copayment Assistance|2016-01-02
Team3|Ancillary Assistance|2016-01-03
Team4|Nursing Assistance|2016-01-04
Team5|Travel Assistance|2016-01-05
Team6| Premium Assistance|2016-01-06
Team7| Copayment Assistance|2016-01-07
Team8| Ancillary Assistance|2016-01-08
This is the Read Line | Team9| Nursing Assistance|TO_DATE('01-09-2016', 'MM-DD-YYYY')
INSERT INTO Team (Team_Name,Team_Type,Date_Formed) values ('Team9',' Nursing
Assistance',TO_DATE('01-09-2016', 'MM-DD-YYYY'))

```

This is the Team List

```

Team_Name || Team_Type || Date_Formed
Team1|Premium Assistance|2016-01-01
Team2|Copayment Assistance|2016-01-02
Team3|Ancillary Assistance|2016-01-03
Team4|Nursing Assistance|2016-01-04
Team5|Travel Assistance|2016-01-05
Team6| Premium Assistance|2016-01-06
Team7| Copayment Assistance|2016-01-07
Team8| Ancillary Assistance|2016-01-08
Team9| Nursing Assistance|2016-01-09
This is the Read Line | Team10| Travel Assistance|TO_DATE('01-10-2016', 'MM-DD-YYYY')

```

```
INSERT INTO Team (Team_Name,Team_Type,Date_Formed) values ('Team10',' Travel Assistance',TO_DATE('01-10-2016', 'MM-DD-YYYY'))
```

This is the Team List

Team_Name	Team_Type	Date_Formed
Team1	Premium Assistance	2016-01-01
Team2	Copayment Assistance	2016-01-02
Team3	Ancillary Assistance	2016-01-03
Team4	Nursing Assistance	2016-01-04
Team5	Travel Assistance	2016-01-05
Team6	Premium Assistance	2016-01-06
Team7	Copayment Assistance	2016-01-07
Team8	Ancillary Assistance	2016-01-08
Team9	Nursing Assistance	2016-01-09
Team10	Travel Assistance	2016-01-10

-----  
Welcome to the Database of Individual Project of Prithviraj Kadiyala  
-----

-----  
Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation

is less than 5  
18.Import  
19.Export  
20. Quit

//Export Function

-----  
-----  
Welcome to the Database of Individual Project of Prithviraj Kadiyala  
-----  
-----

Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by  
an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be  
sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked  
the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation  
is less than 5
- 18.Import
- 19.Export
20. Quit

19

Please Enter the location of the File

C:\Users\prith\Desktop\output.txt

Printing Line into File Person6 | Address6

```

Printing Line into File Person11 | Address11
Printing Line into File Person12 | Address12
Printing Line into File Person13 | Address13
Printing Line into File Person2 | Address2
Printing Line into File Peerson14 | Address14
Printing Line into File Person1 | Address1
Printing Line into File Person4 | Address4
Printing Line into File Person9 | Address9
Printing Line into File Person10 | Address10

```

```

-----
-----

```

Welcome to the Database of Individual Project of Prithviraj Kadiyala

```

-----
-----

```

Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
- 18.Import
- 19.Export
20. Quit



## 6.19 Script File Showing Execution of Three types of Errors

### 6.19.1 Error 1 of 3: Unique Constraint (While inserting same need for a client)

What do you want to do?

- 1.Add new Client
- 2.Add new Person
- 3.Go Back

1

You are entering Info for a Client

Please input one of the SSNs from the Persons Table and not already present in Clients Table

5

Please enter the name of the Doctor

Person5\_doc

Please enter Doc Phone Number

555

Please enter Attorney Name

Person5\_Attorney

Please enter Attorney Phone Number

555

Please enter the date client is assigned to PAN  
month(mm):

01

day(dd):

05

year(yyyy):

2016

Select \* from Client

This is the Clients Table

SSN	Doc_Name	Doc_Number	Att_Name	Att_Phone	Date_Assigned
3	Person3_doc	333	Person3_Attorney	333	2016-01-03
1	Person1_doc	111	Person1_Attorney	111	2016-01-01
2	Person2_doc	222	Person2_Attorney	222	2016-01-02
4	Person4_doc	444	Person4_Attorney	444	2016-01-04
5	Person5_doc	555	Person5_Attorney	555	2016-01-05

This is the Team List

Team\_Name || Team\_Type || Date\_Formed

Team1|Premium Assistance|2016-01-01

Team2|Copayment Assistance|2016-01-02

Team3|Ancillary Assistance|2016-01-03

Team4|Nursing Assistance|2016-01-04

Team5|Travel Assistance|2016-01-05

Please enter the Team Name from the above Team List you want to associate Client with

Team5

Please enter Status of the client

1.Active

2.Inactive

2

This is the Cares Table

Team\_Name || SSN || Status

Team3|3|Inactive

Team1|1|Active

Team2|2|Active

Team4|4|Active

Team5|5|Inactive

You are Entering Insurance details for the Client

Please enter the Policy ID not present in the above list

Person5\_Life

Please enter policy Provider for the client

Company5

Please provide the Address for the Policy Provider

Address5

Please type of Policy from the following:

1.Auto

2.Life

3.Health

4.Home

2

This is the List of Insurance Policies

Policy\_ID || Provider\_ID || Provider\_Address || Insurance\_Type || SSN

Person3\_Health||Company3||Address3||Health||3

Person1\_Auto||Company1||Address1||Auto||1

Person2\_Life||Company2||Address2||Life||2

Person4\_Home||Company4||Address4||Home||4

Person5\_Life||Company5||Address5||Life||5

Select \* from Needs

This is the Needs Table

SSN || Needs || Importance

1|Visiting|7

1|Shopping|6

1|Transportation|9

2|Food|5

2|Yard Work|10

3|Visiting|10

3|Transportation|10  
3|Yard Work|3  
4|Books|6  
4|Transportation|6  
4|Visiting|3  
You're entering the needs of the client  
Select \* from Needs

This is the Needs Table

SSN || Needs || Importance

1|Visiting|7  
1|Shopping|6  
1|Transportation|9  
2|Food|5  
2|Yard Work|10  
3|Visiting|10  
3|Transportation|10  
3|Yard Work|3  
4|Books|6  
4|Transportation|6  
4|Visiting|3

Please select one of the following

1.Visiting  
2.Shopping  
3.HouseKeeping  
4.Transportation  
5.Yard Work  
6.Food  
7.Anything else  
8.Done Putting needs

2

Please enter the importance of Shopping(1-10):

9

Select \* from Needs

This is the Needs Table

SSN || Needs || Importance

1|Visiting|7  
1|Shopping|6  
1|Transportation|9  
2|Food|5  
2|Yard Work|10  
3|Visiting|10  
3|Transportation|10  
3|Yard Work|3  
4|Books|6  
4|Transportation|6  
4|Visiting|3  
5|Shopping|9

Please select one of the following

1.Visiting

- 2.Shopping
- 3.HouseKeeping
- 4.Transportation
- 5.Yard Work
- 6.Food
- 7.Anything else
- 8.Done Putting needs

5

Please enter the importance of Yard Work(1-10):

8

Select \* from Needs

This is the Needs Table

SSN || Needs || Importance

```
1|Visiting|7
1|Shopping|6
1|Transportation|9
2|Food|5
2|Yard Work|10
3|Visiting|10
3|Transportation|10
3|Yard Work|3
4|Books|6
4|Transportation|6
4|Visiting|3
5|Shopping|9
5|Yard Work|8
```

Please select one of the following

- 1.Visiting
- 2.Shopping
- 3.HouseKeeping
- 4.Transportation
- 5.Yard Work
- 6.Food
- 7.Anything else
- 8.Done Putting needs

2

Please enter the importance of Shopping(1-10):

10

Please select one of the following

- 1.Visiting
- 2.Shopping
- 3.HouseKeeping
- 4.Transportation
- 5.Yard Work
- 6.Food
- 7.Anything else
- 8.Done Putting needs

Showing Error because of Unique Constraint Error 1 of 3

[java.sql.SQLIntegrityConstraintViolationException](#): ORA-00001: unique constraint (KADI0000.SYS\_C00188354) violated

```

at oracle.jdbc.driver.T4CTTIoer.processError(T4CTTIoer.java:450)
at oracle.jdbc.driver.T4CTTIoer.processError(T4CTTIoer.java:399)
at oracle.jdbc.driver.T4C8Oall.processError(T4C8Oall.java:1059)
at oracle.jdbc.driver.T4CTTIfun.receive(T4CTTIfun.java:522)
at oracle.jdbc.driver.T4CTTIfun.doRPC(T4CTTIfun.java:257)
at oracle.jdbc.driver.T4C8Oall.doOALL(T4C8Oall.java:587)
at oracle.jdbc.driver.T4CStatement.doOall8(T4CStatement.java:210)
at oracle.jdbc.driver.T4CStatement.doOall8(T4CStatement.java:30)
at oracle.jdbc.driver.T4CStatement.executeForRows(T4CStatement.java:931)
at
oracle.jdbc.driver.OracleStatement.doExecuteWithTimeout(OracleStatement.java:1150)
at oracle.jdbc.driver.OracleStatement.executeQuery(OracleStatement.java:1309)
at
oracle.jdbc.driver.OracleStatementWrapper.executeQuery(OracleStatementWrapper.java:42
2)
at
individual_Project.IP_Kadiyala_Prithviraj.option2(IP_Kadiyala_Prithviraj.java:335)
at
individual_Project.IP_Kadiyala_Prithviraj.main(IP_Kadiyala_Prithviraj.java:74)
8

```

What do you want to do?

- 1.Add new Client
- 2.Add new Person
- 3.Go Back

3

What do you want to do ?

1. Add new Client
2. Associate Client with a team
3. Add new Insurances for Clients
- 4.Add needs for the Client
5. Main Menu

5

```

-----
-----
Welcome to the Database of Individual Project of Prithviraj Kadiyala
-----
-----

```

Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.

The list should be sorted by the total amount of expenses

12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
18. Quit

#### 6.19.2: Error 2 of 3 (Integrity Constraint Parent Key Not Found)

```

-----
Welcome to the Database of Individual Project of Prithviraj Kadiyala
-----
Please Enter you option(1-17):
1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name

```

14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
- 18.Import
- 19.Export
20. Quit

2

What do you want to do ?

1. Add new Client
2. Associate Client with a team
3. Add new Insurances for Clients
- 4.Add needs for the Client
5. Main Menu

1

This is the Persons Table

SSN	Person_Name	Birthdate date	Race	Gender	Profession	Mailing_Address	Email	Home_number	Work_Number	Phone_Number	Subscription
6	Person6	1994-09-03	Asian	Female	Singer	Address6	person6@gmail.com	666	666	666	Yes
7	Person7	1993-06-05	American	Female	Attorney	Address7	person7@gmail.com	777	777	777	No
11	Person11	1992-10-26	Middle East	Female	Cashier	Address11	person11@gmail.com	111111	111111	111111	Yes
12	Person12	1995-06-05	Africa	Male	Athlete	Address12	person12@gmail.com	121212	121212	121212	Yes
13	Person13	2009-10-25	Asian	Male	Mathematician	Address13	person13@gmail.com	131313	131313	131313	Yes
2	Person2	1990-01-01	Asian	Female	Teacher	Address2	person2@gmail.com	456	789	123	Yes
3	Person3	1992-05-08	Middle East	Male	Analyst	Address3	person3@gmail.com	333	333	333	No
14	Peerson14	1990-10-05	Asian	Male	Professor	Address14	person14@gmail.com	141414	141414	141414	Yes
1	Person1	1996-02-16	American	Male	Professor	Address1	person1@gmail.com	123	456	789	Yes
4	Person4	1995-09-15	Europe	Male	Plumber	Address4	person4@gmail.com	444	444	444	Yes
5	Person5	1991-11-21	Africa	Female	Astronaut	Address5	person5@gmail.com	555	555	555	No
8	Person8	1990-05-04	Europe	Male	Mechanic	Address8	person8@gmail.com	888	888	888	No
9	Person9	1994-09-05	Africa	Female	Scientist	Address9	person9@gmail.com	999	999	999	Yes
10	Person10	1991-08-02	Asian	Female	Pilot	Address10	person10@gmail.com	101010	101010	101010	Yes

Select \* from Client

This is the Clients Table

SSN	Doc_Name	Doc_Number	Att_Name	Att_Phone	Date_Assigned
3	Person3_doc	333	Person3_Attorney	333	2016-01-03
1	Person1_doc	111	Person1_Attorney	111	2016-01-01
2	Person2_doc	222	Person2_Attorney	222	2016-01-02
4	Person4_doc	444	Person4_Attorney	444	2016-01-04
5	Person5_doc	555	Person5_Attorney	555	2016-01-05

What do you want to do?

- 1.Add new Client
- 2.Add new Person
- 3.Go Back

1

You are entering Info for a Client

Please input one of the SSNs from the Persons Table and not already present in Clients Table

20

Please enter the name of the Doctor

Person20\_doc

Please enter Doc Phone Number

202122

Please enter Attorney Name

Person20\_Attornwy

Please enter Attorney Phone Number

303132

Please enter the date client is assigned to PAN  
month(mm):

02

day(dd):

03

year(yyyy):

2010

Showing Error because of Integrity Constraint Error 2 of 3

[java.sql.SQLIntegrityConstraintViolationException](#): ORA-02291: integrity constraint (KADI0000.SYS\_C00188353) violated - parent key not found

```
at oracle.jdbc.driver.T4CTTIoer.processError(T4CTTIoer.java:450)
at oracle.jdbc.driver.T4CTTIoer.processError(T4CTTIoer.java:399)
at oracle.jdbc.driver.T4C8Oall.processError(T4C8Oall.java:1059)
at oracle.jdbc.driver.T4CTTIfun.receive(T4CTTIfun.java:522)
at oracle.jdbc.driver.T4CTTIfun.doRPC(T4CTTIfun.java:257)
at oracle.jdbc.driver.T4C8Oall.doOALL(T4C8Oall.java:587)
at oracle.jdbc.driver.T4CStatement.doOall8(T4CStatement.java:210)
at oracle.jdbc.driver.T4CStatement.doOall8(T4CStatement.java:30)
at oracle.jdbc.driver.T4CStatement.executeForRows(T4CStatement.java:931)
at
oracle.jdbc.driver.OracleStatement.doExecuteWithTimeout(OracleStatement.java:1150)
at oracle.jdbc.driver.OracleStatement.executeQuery(OracleStatement.java:1309)
at
oracle.jdbc.driver.OracleStatementWrapper.executeQuery(OracleStatementWrapper.java:42
2)
```



```

        at
individual_Project.IP_Kadiyala_Prithviraj.option2(IP_Kadiyala_Prithviraj.java:246)
        at
individual_Project.IP_Kadiyala_Prithviraj.main(IP_Kadiyala_Prithviraj.java:86)

```

This is the Team List

```

Team_Name || Team_Type || Date_Formed
Team1|Premium Assistance|2016-01-01
Team2|Copayment Assistance|2016-01-02
Team3|Ancillary Assistance|2016-01-03
Team4|Nursing Assistance|2016-01-04
Team5|Travel Assistance|2016-01-05
Team6| Premium Assistance|2016-01-06
Team7| Copayment Assistance|2016-01-07
Team8| Ancillary Assistance|2016-01-08
Team9| Nursing Assistance|2016-01-09
Team10| Travel Assistance|2016-01-10

```

Please enter the Team Name from the above Team List you want to associaite Client with

### 6.19.3 Error 3 of 3 (Wrong DataType Inserted)

```

-----
Welcome to the Database of Individual Project of Prithviraj Kadiyala
-----
Please Enter you option(1-17):
1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more
teams
3. Enter a new volunteer into the database and associate him or her with one or more
teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more
teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations
10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular
period of time.
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a
particular client
13. Retrieve the names and contact information of the clients that are supported by
teams sponsored by
an organization whose name starts with a letter between B and K. The client list
should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The
list should be
sorted by the total amount of the donations, and indicate if each donor wishes to
remain anonymous

```

15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
- 18.Import
- 19.Export
20. Quit

1

Executing Query 1:

Team Name:

Team123

Team Type Select:

1. Premium Assistance
2. Copayment Assistance
3. Ancillary Assistance
4. Nursing Assistance
5. Travel Assistance

1

Please enter the date the team was formed:

month(mm):

abc

day(dd):

02

year(yyyy):

2016

INSERT INTO Team(Team\_Name, Team\_Type, Date\_Formed) VALUES ('Team123','Premium Assistance', TO\_DATE('abc-02-2016', 'MM-DD-YYYY'))

Showing Error because of Wrong Data Type Entry 3 of 3

[java.sql.SQLException: ORA-01858: a non-numeric character was found where a numeric was expected](#)

-----  
-----

Welcome to the Database of Individual Project of Prithviraj Kadiyala

-----  
-----

Please Enter you option(1-17):

1. Enter a new team into the database
2. Enter a new client into the database and associate him or her with one or more teams
3. Enter a new volunteer into the database and associate him or her with one or more teams
4. Enter the number of hours a volunteer worked this month for a particular team
5. Enter a new employee into the database and associate him or her with one or more teams
6. Enter an expense charged by an employee
7. Enter a new organization and associate it to one or more PAN teams
8. Enter a new donor and associate him or her with several donations.
9. Enter a new organization and associate it with several donations

10. Retrieve the name and phone number of the doctor of a particular client
11. Retrieve the total amount of expenses charged by each employee for a particular period of time.  
The list should be sorted by the total amount of expenses
12. Retrieve the list of volunteers that are members of teams that support a particular client
13. Retrieve the names and contact information of the clients that are supported by teams sponsored by an organization whose name starts with a letter between B and K. The client list should be sorted by name
14. Retrieve the name and total amount donated by donors that are also employees. The list should be sorted by the total amount of the donations, and indicate if each donor wishes to remain anonymous
15. For each team, retrieve the name and associated contact information of the volunteer that has worked the most total hours between March and June
16. Increase the salary by 10% of all employees to whom more than one team must report
17. Delete all clients who do not have health insurance and whose value of importance for transportation is less than 5
18. Import
19. Export
20. Quit

```

at oracle.jdbc.driver.T4CTTIoer.processError(T4CTTIoer.java:450)
at oracle.jdbc.driver.T4CTTIoer.processError(T4CTTIoer.java:399)
at oracle.jdbc.driver.T4C8Oall.processError(T4C8Oall.java:1059)
at oracle.jdbc.driver.T4CTTIfun.receive(T4CTTIfun.java:522)
at oracle.jdbc.driver.T4CTTIfun.doRPC(T4CTTIfun.java:257)
at oracle.jdbc.driver.T4C8Oall.doOALL(T4C8Oall.java:587)
at oracle.jdbc.driver.T4CStatement.doOall8(T4CStatement.java:210)
at oracle.jdbc.driver.T4CStatement.doOall8(T4CStatement.java:30)
at oracle.jdbc.driver.T4CStatement.executeForRows(T4CStatement.java:931)
at
oracle.jdbc.driver.OracleStatement.doExecuteWithTimeout(OracleStatement.java:1150)
at oracle.jdbc.driver.OracleStatement.executeQuery(OracleStatement.java:1309)
at
oracle.jdbc.driver.OracleStatementWrapper.executeQuery(OracleStatementWrapper.java:422)
at
individual_Project.IP_Kadiyala_Prithviraj.option1(IP\_Kadiyala\_Prithviraj.java:205)
at
individual_Project.IP_Kadiyala_Prithviraj.main(IP\_Kadiyala\_Prithviraj.java:81)

```

## 6.20 Script File Showing Execution of Query 20(Quit Option)

```
-----  
-----  
Welcome to the Database of Individual Project of Prithviraj Kadiyala  
-----  
-----  
Please Enter you option(1-17):  
1. Enter a new team into the database  
2. Enter a new client into the database and associate him or her with one or more  
teams  
3. Enter a new volunteer into the database and associate him or her with one or more  
teams  
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an organization whose name starts with a letter between B and K. The client list  
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the most total hours between March and June  
16. Increase the salary by 10% of all employees to whom more than one team must  
report  
17. Delete all clients who do not have health insurance and whose value of importance  
for transportation  
is less than 5  
18.Import  
19.Export  
20. Quit
```

20

Thank You for using the Program