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| --- |
| Close-up image showing the leaf-sides of two oversized books side-by-side on a bookshelf, with additional books in soft focus background |
| Individual Project (PAN)  Database Management Systems – CS4513 Fall – 2017  Course Instructor: Dr. Le Gruenwald  Author Name: Prithviraj Kadiyala(113379469)  prithvirajkadiyala@ou.edu |
| |  |  |  | | --- | --- | --- | | Kadiyla, Prithviraj | 11/20/17 | CS4513 | |

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# Task 1:

## ER Diagram

A close up of a map

Description generated with high confidence

## Relational Database

1. Person (SSN, Name, Birthdate, Race, Gender, Profession, Mailing\_Address, Email, Home\_Number, Work\_Number, Phone\_Number, Subscription).

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

## Relational Database Schema

A close up of text on a white background

Description generated with very high confidence

# 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 theor 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 Kadiyala\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 one or more teams\n" +

"3. Enter a new volunteer into the database and associate him or her with one or more teams\n" +

"4. Enter the number of hours a volunteer worked this month for a particular team\n" +

"5. Enter a new employee into the database and associate him or her 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 teams\n" +

"8. Enter a new donor and associate him or her with several donations.\n" +

"9. Enter a new organization and associate it with several donations\n" +

"10. Retrieve the name and phone number of the doctor of a particular client\n" +

"11. Retrieve the total amount of expenses charged by each employee 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 support a particular client\n" +

"13. Retrieve the names and contact information of the clients that are supported by teams sponsored by\r\n" +

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

"14. Retrieve the name and total amount donated by donors that are also employees. The list should be\r\n" +

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

"15. For each team, retrieve the name and associated contact 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 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\n"+

"18.Import\n"+

"19.Export\n" +

"20. Quit\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");

int client\_sel = String\_Int\_Convert(client\_select);

switch(client\_sel) {

case 1:

System.out.println("\nYou are entering Info for a Client");

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

int SSN = String\_Int\_Convert(sSSN);

String Doc\_Name = getInput("Please enter the name of the Doctor");

String sDoc\_Phone = getInput("Please enter Doc Phone Number");

long doc\_phone = String\_Long\_Convert(sDoc\_Phone);

String Att\_Name = getInput("Please enter Attorney Name");

String sAtt\_Phone = getInput("Please enter Attorney Phone Number");

long att\_phone = String\_Long\_Convert(sAtt\_Phone);

System.out.println("\nPlease enter the date client is assigned to PAN");

String date\_Assigned = getDateSQL();

//Inserting Data into Clients Table

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 extract results of the query

try {

stmt.executeQuery(sql);

ClientSelect();

}catch(SQLException e) {

e.printStackTrace();

}

//Adding Associations the the Current Client to teams

TeamSelect();

String Team\_Name = getInput("Please enter the Team Name from the above Team List you want to assocaite Client with");

String 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;

}

}

//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();

}

System.out.println("\nYou are Entering Insurance details for the Client");

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+"',"+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");

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\_Int\_Convert(importance1);

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\_Int\_Convert(importance2);

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\_Int\_Convert(importance3);

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\_Int\_Convert(importance4);

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\_Int\_Convert(importance5);

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 2:

getPersonInput();

break;

case 3:

correctclient = true;

break;

default:

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

break;

}

}

break;

case 2:

boolean correctassociate = false;

//Check if all the Teams are visible and associate them with a Client

while(!correctassociate)

{

ClientSelect();

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 correctTeamAssociation = false;

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");

int SSN = String\_Int\_Convert(sSSN);

String Team\_Name = getInput("Please enter the Team Name from the above Team List");

String 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;

}

}

//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

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

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();

}

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\_Int\_Convert(importance1);

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\_Int\_Convert(importance2);

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\_Int\_Convert(importance3);

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\_Int\_Convert(importance4);

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\_Int\_Convert(importance5);

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 volunter 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");

System.out.println("Please enter the hire date of the 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 descripiton1 = 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+",'"+descripiton1+"')";

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 lphone = getInput("Please enter phone number of the Organization");

long phone = String\_Long\_Convert(lphone);

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 = stmt.executeQuery(Select\_Donors);

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(SelectDonorsCheck);

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 Donors\_Donate\_Card";

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

try {

stmt.executeQuery(InsertDonates);

stmt.executeQuery(InsertDonate\_Check);

ResultSet rs81 = stmt.executeQuery(Select\_Donors);

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(SelectDonorsCheck);

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 lPhone = getInput("Please enter the phone number of the Organization");

long phone = String\_Long\_Convert(lPhone);

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 = 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();

}

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 = stmt.executeQuery(SelectOrganizationDonate);

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 = stmt.executeQuery(SelectOrganizationCheck);

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\_campaign1+"')";

//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\_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 = 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\_campaign1+"')";

//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";

String Select\_Organization\_Donor1 = "Select \* from Organization\_Donor";

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

try {

stmt.executeQuery(InsertDonates);

stmt.executeQuery(InsertDonate\_Check);

ResultSet rs95 = stmt.executeQuery(Select\_Organization\_Donor1);

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 = stmt.executeQuery(SelectOrganizationCheck);

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.getAbsoluteFile());

BufferedWriter bw = new BufferedWriter(fw);

String sql = "Select Person\_Name, Mailing\_Address from Person where SUBSCRIPTION='Yes'";

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 assocaite 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 assocaite 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 assocaite 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 assocaite 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 assocaite 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:422)

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\_number,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 volunter 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\_number,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 volunter 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 volunter 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 volunter 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\_number,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 volunter 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

------------------------------------------------------------------------------------------------

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

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

------------------------------------------------------------------------------------------------

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

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

------------------------------------------------------------------------------------------------

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

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

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

------------------------------------------------------------------------------------------------

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

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

------------------------------------------------------------------------------------------------

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

------------------------------------------------------------------------------------------------

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

5

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

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\_number,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 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 funraising 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 funraising 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 funraising 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 funraising 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 funraising 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

Pleae enter the Date of the donation

month(mm):

03

day(dd):

07

year(yyyy):

2017

Enter the funraising 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 || Fundraising Campaign

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

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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

## 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.

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10. Retrieve the name and phone number of the doctor of a particular client

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The list should be sorted by the total amount of expenses

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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

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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

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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

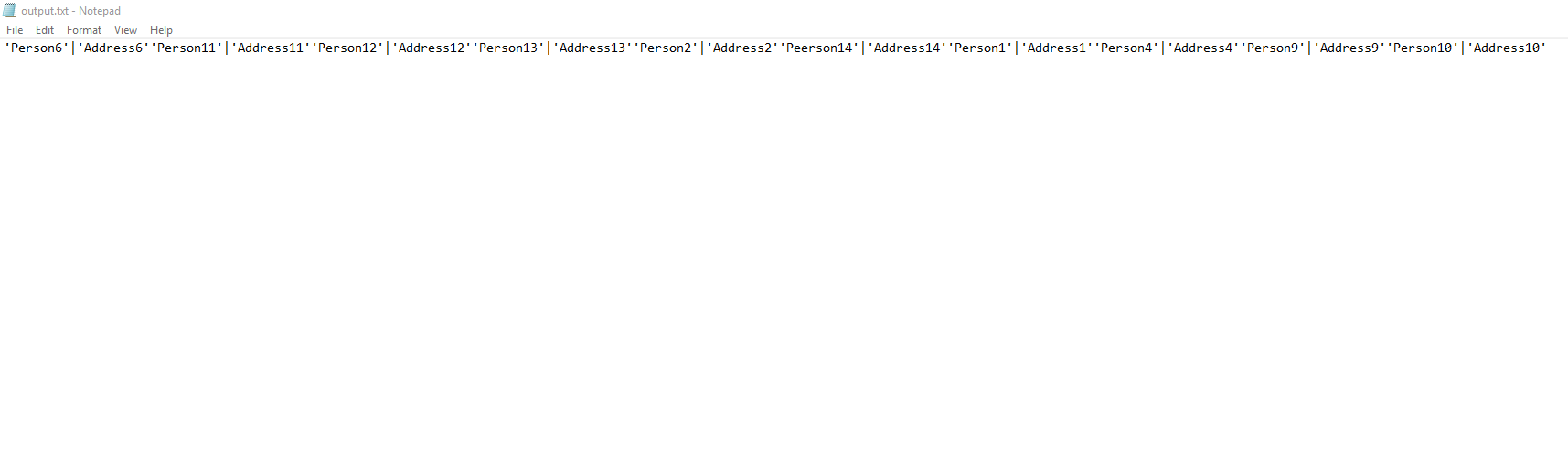
17. Delete all clients who do not have health insurance and whose value of importance for transportation

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 assocaite 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:422)

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

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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

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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:422)

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 assocaite 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):

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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

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The list should be sorted by the total amount of expenses

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

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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.SQLDataException: ORA-01858: a non-numeric character was found where a numeric was expected

------------------------------------------------------------------------------------------------

Welcome to the Database of Individual Project of Prithviraj Kadiyala

------------------------------------------------------------------------------------------------

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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)

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Welcome to the Database of Individual Project of Prithviraj Kadiyala

------------------------------------------------------------------------------------------------

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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