



Child Adoption Management System

Course Name : Advance Database Management System Section : E

Name	Id	Contribution
Anonnya Barua	20-42590-1	Introduction ,Scenario Description Er Diagram Normalization Schema Diagram Table Creation Introduction

		<p>Project Proposal</p> <p>Activity Diagram</p> <p>Class Diagram</p> <p>Use Case Diagram</p> <p>User Interface</p> <p>PL/SQL writing (function,Procedure)</p>
Mihir Kanti Roy	20-43785-2	<p>Class Diagram, Relational Algebra , PL/SQL writing (Cursor), Data Insertion ,Conclusion</p>

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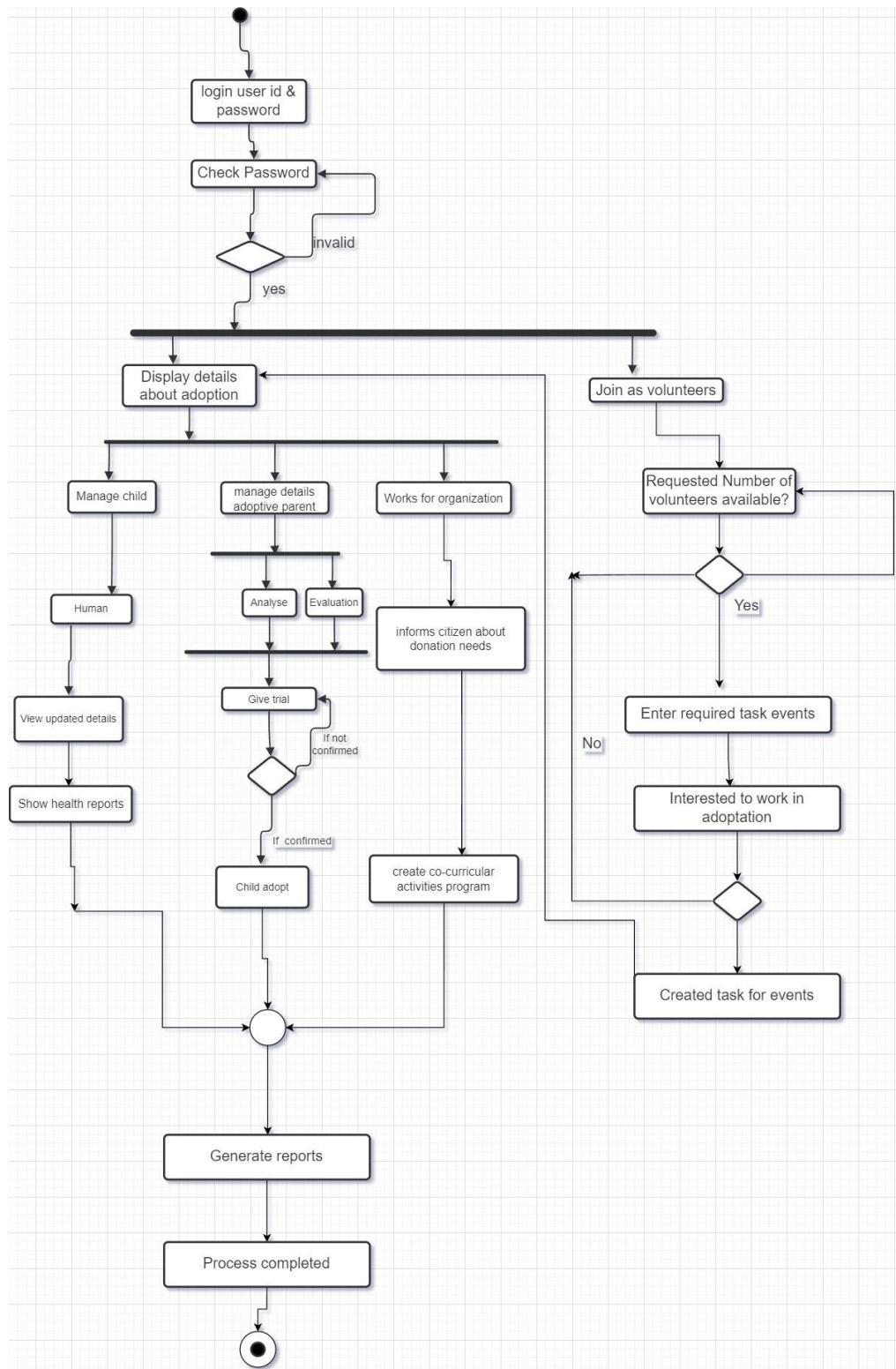
Introduction

The project is currently managed by a team of volunteers and staff members who are responsible for rescuing and providing care for those in need, promoting adoption services, and managing donations and volunteer opportunities. The organization also welcomes donations and volunteers to help support their cause. If anyone comes across a child or senior citizen who is homeless, they can contact to our **Prithir vilā** for assistance in rescuing and providing them with care.

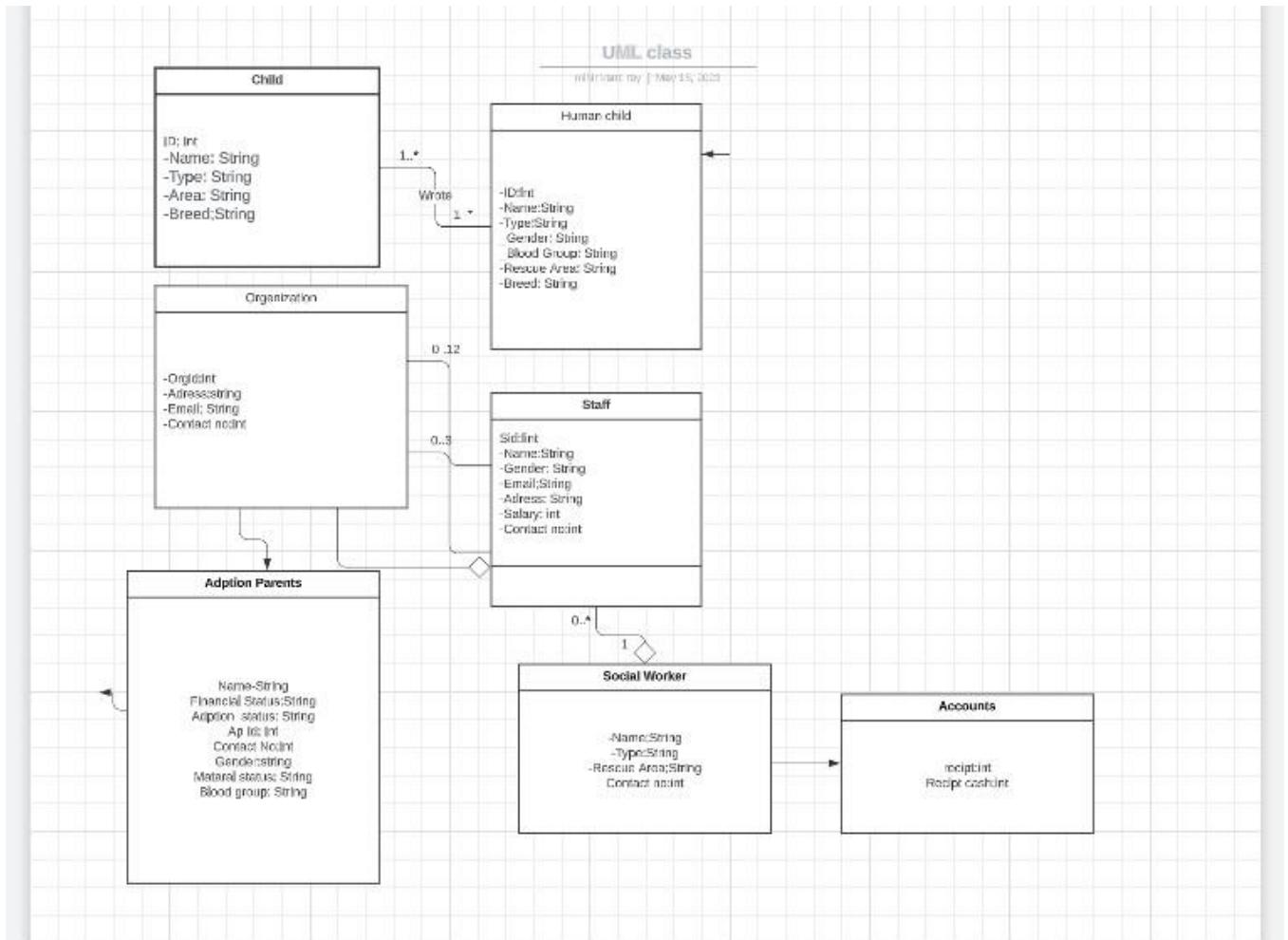
Project proposal

The objective of this organization is to rescue and provide a home for adopted children in need. We aim to promote adoption of these individuals to increase public awareness of our cause. We also aim to provide volunteers with an opportunity to contribute to our mission and make a difference in the lives of those we serve. The organization will be managed by a team of volunteers and staff members. The team will be responsible for rescuing and providing care for those in need, promoting adoption services, and conducting outreach efforts to raise awareness of our cause. The team will also manage donations and volunteer opportunities, ensuring that our supporters are well-informed and engaged. The impact of this organization will be significant in the lives of those we serve. By providing adopted children, and senior citizens in need, we will improve their quality of life and provide them with a loving environment. By promoting adoption services, we will increase public awareness of our cause and encourage others to make a positive impact.

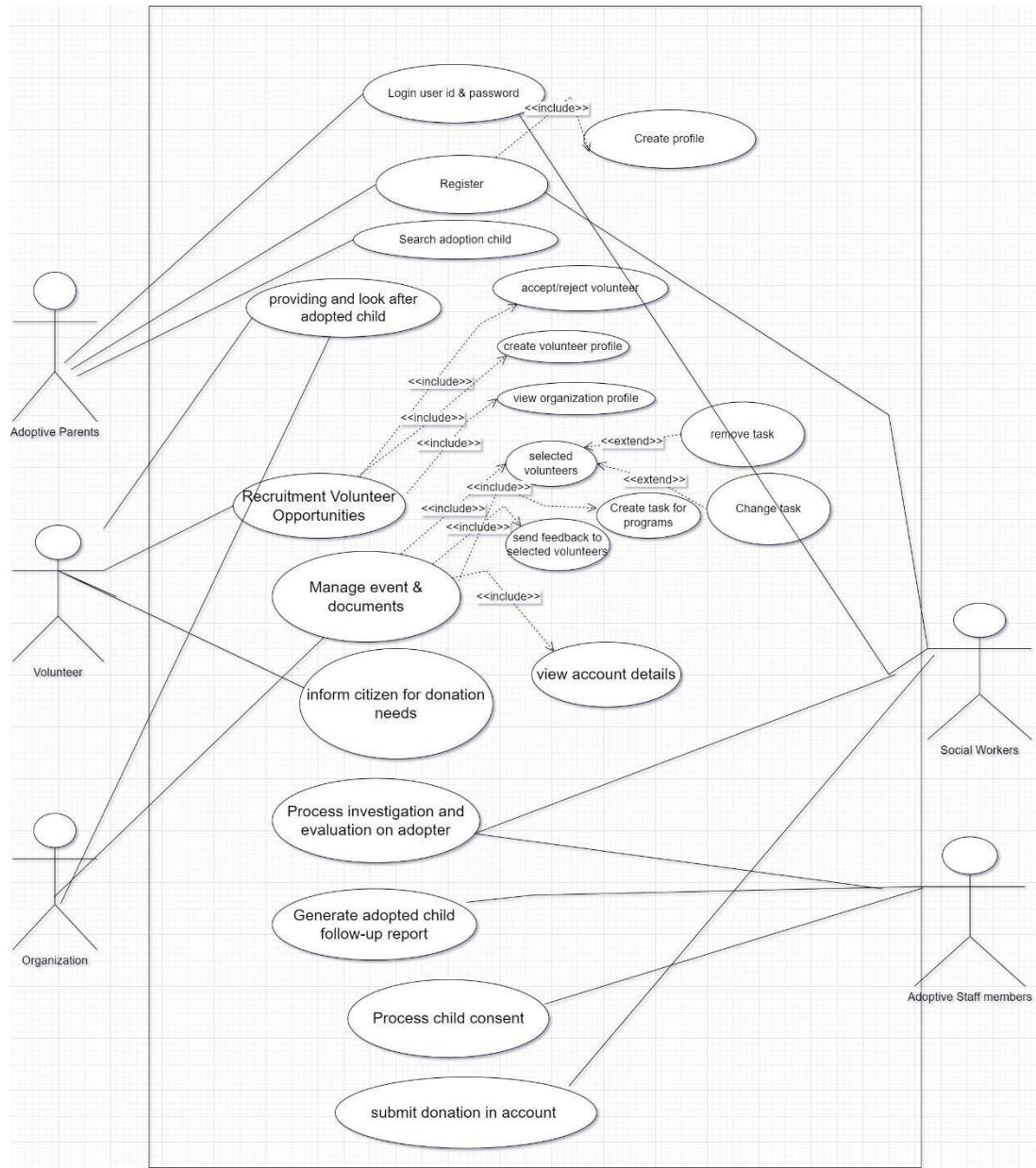
Activity Diagram



Class Diagram



Use case diagram:



User Interface

Sign Up

Sign Up



Name

Email

User Name

Password

Address

Donation

Back Log Out

Donation Information

Card Hold Number

Card Number

Expire Date

CVV

Amount

Clear **Pay**

This is a screenshot of a Windows application window titled "Donation". The window has a dark theme with light-colored input fields. At the top right are "Back" and "Log Out" buttons. Below them is a section titled "Donation Information". There are five input fields labeled "Card Hold Number", "Card Number", "Expire Date", "CVV", and "Amount". At the bottom center are two buttons: "Clear" (in a brown box) and "Pay" (in a blue box).

FormVol

Back Log Out

Fill up the volunteer form

Name

Address

Phone

Email

Age

Why you want to us ?

Clear **Submit**

This image shows a screenshot of a Windows application window titled "FormVol". The window has a dark theme with light-colored input fields. At the top right are standard window controls: a minimize button, a maximize button, and a close button. Below the title bar are two blue buttons labeled "Back" and "Log Out". The main content area is titled "Fill up the volunteer form" in bold black text. It contains five text input fields with labels: "Name", "Address", "Phone", "Email", and "Age", each followed by a corresponding empty input box. To the right of these fields is a larger text input box labeled "Why you want to us ?". At the bottom right of the form area are two buttons: "Clear" (in a brown box) and "Submit" (in a blue box). The overall layout is clean and organized, typical of a Windows desktop application.



Rescue

—

□

X

[Back](#)[Log Out](#)

Request for Rescue

Contact Person' Name**Contact Person's Phone****Card Number****Gender****Address**[Clear](#)[Request](#)

Back

Log Out

Fill up the information and submit

Name

Address

Phone

Email

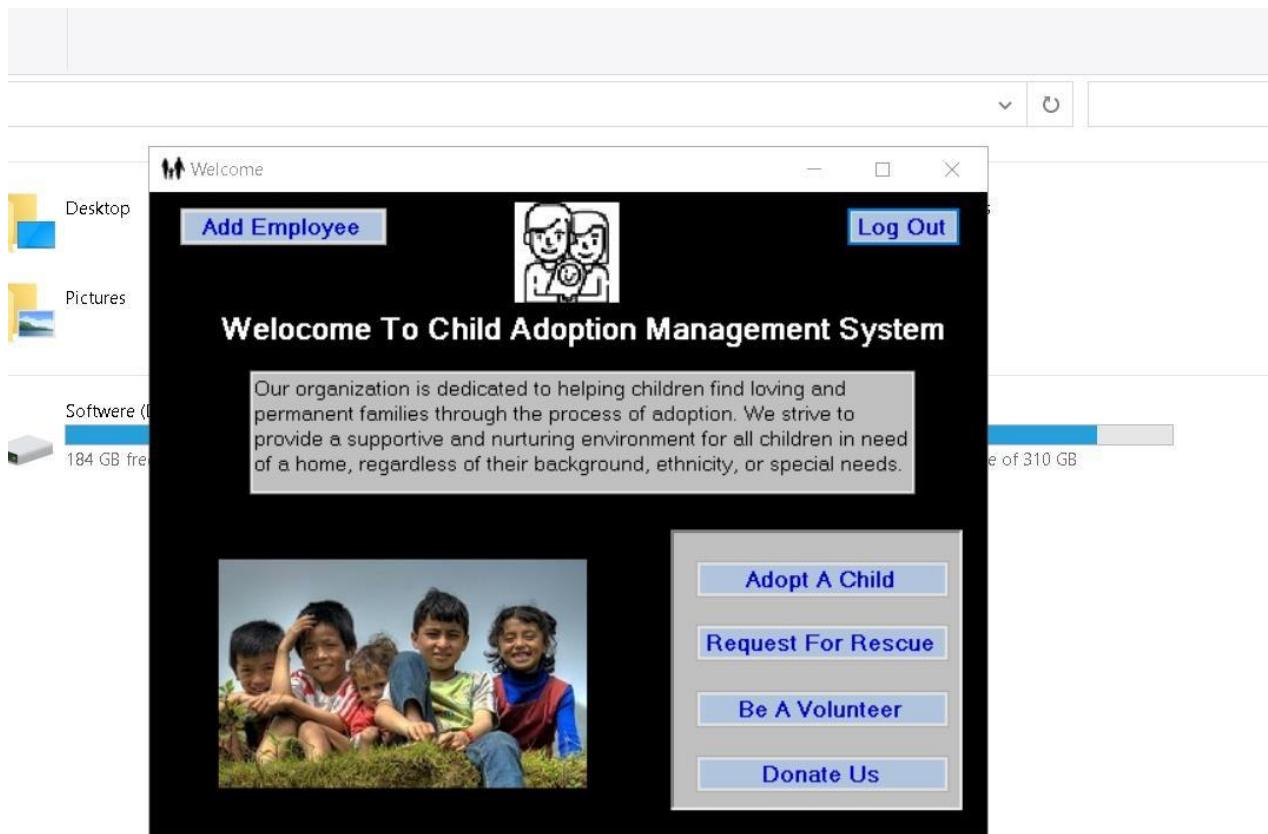
Profession

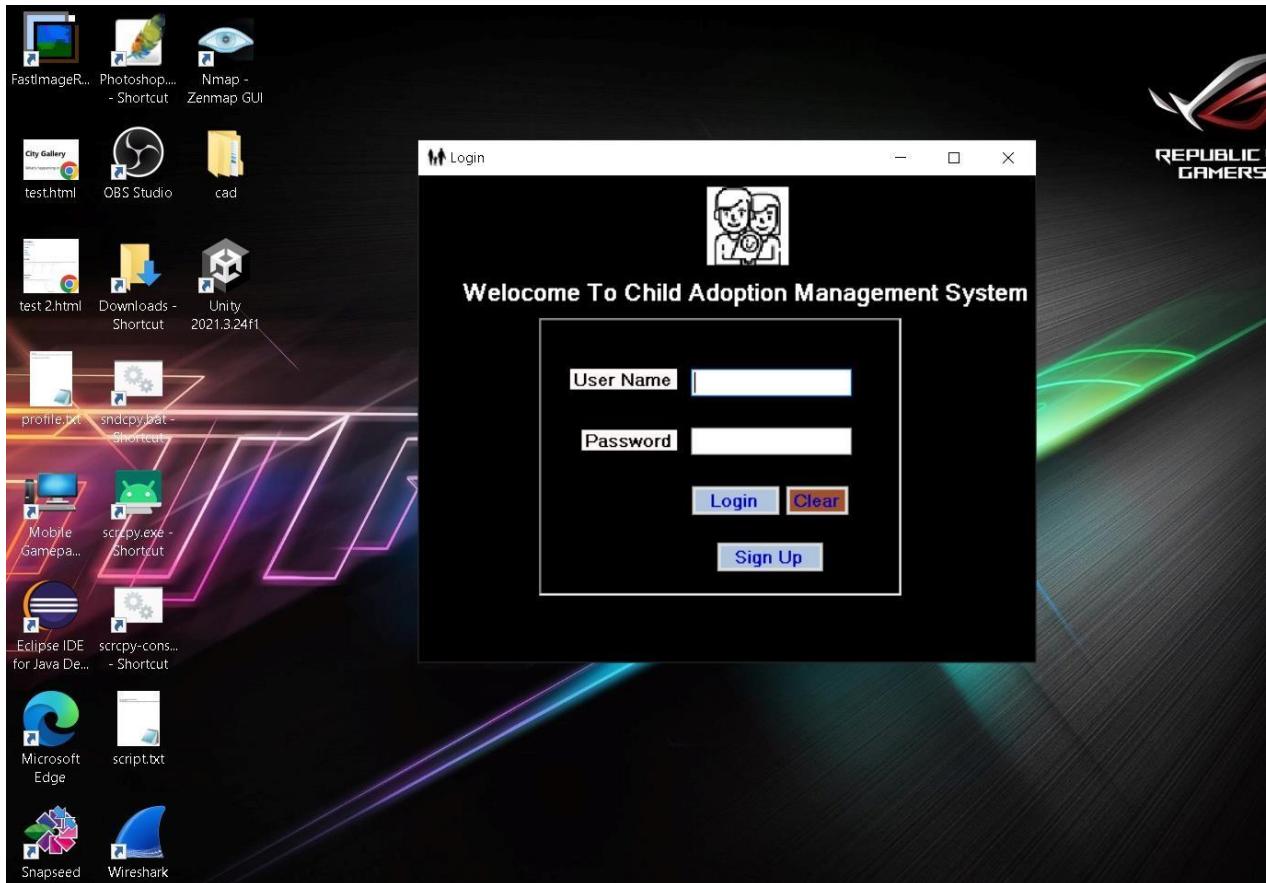
Yearly Income

Why you want a baby ?

Clear

Submit

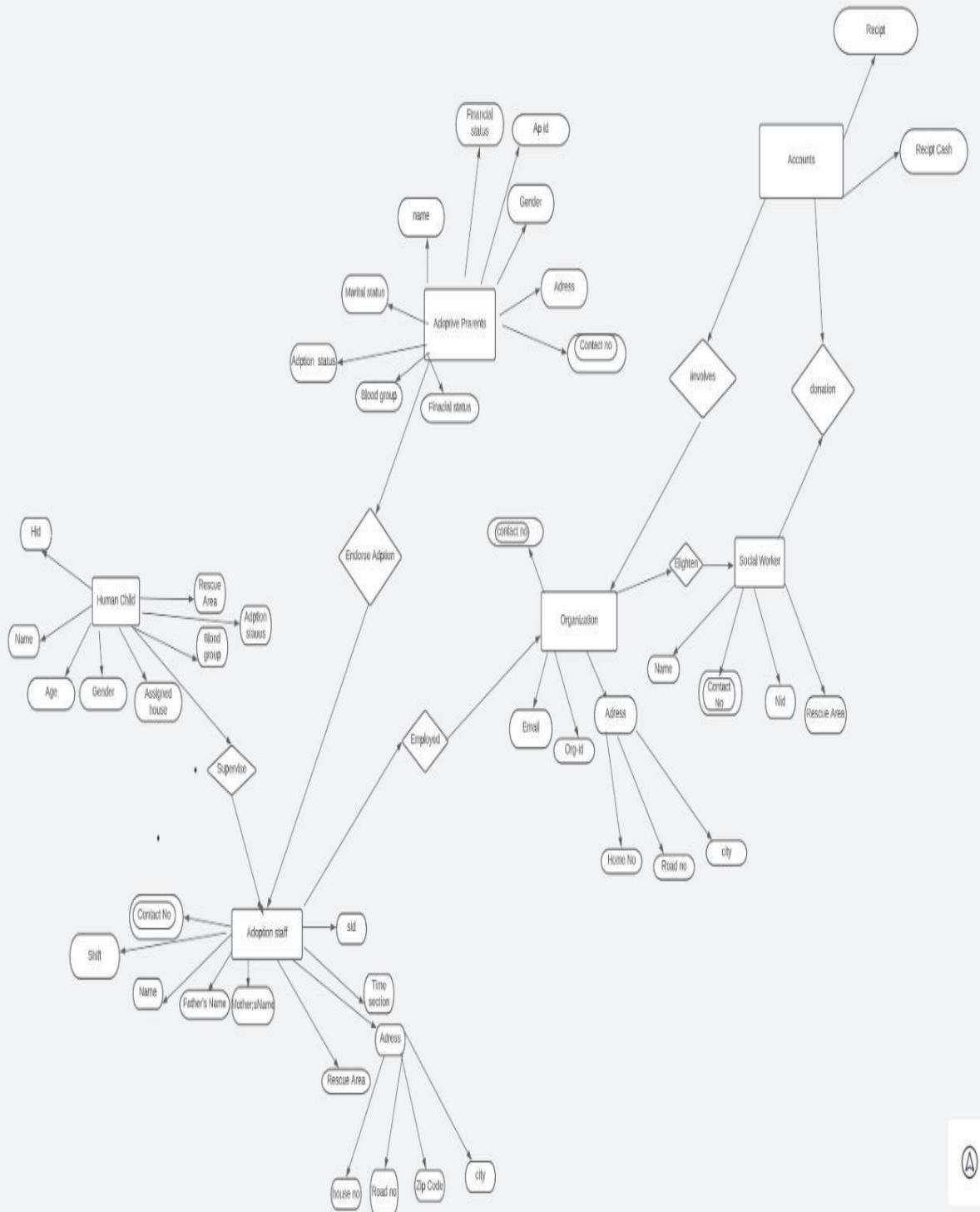




Scenario Description

In an adoption management system, there can be multiple staff but there is only one organization. We get a one-to-many relationship between organization to staff and organization to citizen. A staff can easily handle human and human child entities. A staff is also identified by a staff id(sid). A staff is also combined with many components such as name,category,shift,gender,address,city,road salary, father's name,mother's name etc.. Here also, Human to staff relationship is many to many. On that, A human is also identified by hid. A human is also combined with many components such as name, age, gender,assigned house, Rescue area, Blood group etc.. Organization to social workers has one to many relationships also. Social workers is also combined with many components such as name, type,rescue area,contact no.,nid. Organization has a one-to-many relation with human child... Each category has a name and the unique property of each category is a category number.

ER-Diagram:



Normalization:

Endorse adoption (**apid**, name, age, financial status, assigned house, gender, blood group, health condition, marital status, email address, city, **sid**, name, father's name, mother's name, contact no., email, zip code, road no., house no., city, age, gender, salary, shift, time section) **1NF->** Contact no. is a multivalued attribute.

2NF -> **apid**, name, age, financial status, assigned house, gender, blood group, health condition, marital status, email address, city

sid, name, father's name, mother's name, contact no., email, zip code, road no., house no., city, age, gender, salary, shift, Time section

3NF-> **apid**, name, age, financial status, assigned house, gender, blood group, health condition, marital status, email address, city

sid, name, father's name, mother's name, contact no., email, road no., house no., age, gender, salary, shift, time section ,zip code, city

Tables from Endorse adoption:

- 1) **apid**, name, age, financial status, assigned house, gender, blood group, health condition, marital status, email address, city
- 2) **sid**, name, father's name, mother's name, email, road no., house no., age, gender, salary, shift, time section, **zid** 3) **zid**, zip code, city
- 4) **sid, contact no.**
- 5) **apid, sid, a_id**

Supervise (**hid**, name, age, gender, type, blood group, assigned house, rescue area, adoption status, **sid**, name, father's name, mother's name, contact no., email, zip code, road no., house no., city, age, gender, salary, shift, time section)

1NF-> Contact no. is a multivalued attribute.

2NF-> hid, name, age, gender, type, blood group, assigned house, rescue area, adoption status

sid, name, father's name, mother's name, contact no., email, zip code, road no., house no., city, age, gender, salary, shift, time section

3NF-> hid, name, age, gender, type, blood group, assigned house, rescue area, adoption status sid, name, father's name, mother's name, contact no., email, road no., house no., age, gender, salary, shift, time section, zip code, city

Tables from supervise:

1. hid, name, age, gender, type, blood group, assigned house, rescue area, adoption status
2. sid, name, father's name, mother's name, email, road no., house no., age, gender, salary, shift, time section, zid 3. zid, zip code, city
4. sid, contact no.
5. hid, sid, b_id

Employed by (sid, name, father's name, mother's name, contact no., email, zip code, road no., house no., city, age, gender, salary, shift, time section, org id, contact no., email, zip code, road no., house no., city)

1NF-> Contact no. is a multivalued attribute.

2NF-> sid, name, father's name, mother's name, contact no., email, zip code, road no., house no., city, age, gender, salary, shift, time section, org id, contact no., email, zip code, road no., house no., city

3NF-> sid, name, father's name, mother's name, contact no., email, road no., house no., age, gender, salary, shift, time section, zip code, city org id, contact no., email, road no., house no., zip code, city

Tables from Employed by:

1. sid, name, father's name, mother's name, email, road no., house no., age, gender, salary, shift, time section ,zid, org id
2. zid, zip code, city
3. sid, contact no.
4. org id, email, road no., house no, zid
5. zid, zip code, city
6. org id ,contact no.

Enlighten (**org id**, contact no., email, zip code, road no., house no., city, **nid**, name, type, contact no. rescue area)

1NF-> Contact no. is a multivalued attribute.

2NF-> **org id**, contact no., email, zip code, road no., house no., city **nid**, name, type, contact no. rescue area

3NF-> **org id**, contact no., email, road no., house no.
zip code, city **nid**, name, type, contact no. rescue area

Tables from **Enlighten**:

1. **org id**, email, road no., house no., **zid**
2. **org id**, **contact no.**
3. **zid**, zip code, city
4. **nid**, name, type, rescue area, **org id**
5. **nid**, **contact no.**

Involves(**org id**, contact no., email, zip code, road no., house no., city, **receipt no.**, received_cash)

1NF-> Contact no. is a multivalued attribute.

2NF-> **org id**, contact no., email, zip code, road no., house no., city **receipt no.**, received_cash

3NF-> **org id**, contact no., email, road no., house no.
zip code, city **receipt no.**, received_cash

Tables from **involves**:

1. **org id**, email, road no., house no., **zid**, **receipt no**
2. **zid**, zip code, city
3. **org id**, **contact no.**
4. **receipt no.**, received_cash

Donates (**nid**, name, type, contact no. rescue area, **receipt no.**, received_cash)

1NF-> Contact no. is a multivalued attribute. **2NF**->

nid, name, type, contact no. rescue area **receipt no.**, received_cash

3NF-> nid, name, type, contact no. rescue area **receipt no.**,
received_cash

Tables from donates:

1. nid, name, type. rescue area, receipt no.
2. nid, contact no.
3. receipt no., received_cash

Tables after Normalization:

1. apid, name, age, financial status, assigned house, gender, blood group, health condition, marital status, email address, city- > **Adoptive parents**
2. sid, name, father's name, mother's name, email, road no., house no., age, gender, salary, shift, category, zid
3. zid, zip code, city-- -> **Address**
4. sid, contact no. ----->**Adoptive Staff_contact**
5. uid, sid, a_id -----> **Details1**
6. hid, name, age, gender, type, blood group, assigned house, rescue area, adoption status-----> **Human_child**
7. sid, name, father's name, mother's name, email, road no., house no., age, gender, salary, shift, time section, zid 8. zid, zip code, city
9. sid, contact no.
10. hid, sid, b_id -----> **Details2**
11. sid, name, father's name, mother's name, email, road no., house no., age, gender, salary, shift, Time section,zid, org id -----> **Adoption Staff**
12. zid, zip code, city
13. sid, contact no.
14. org_id, email, road no., house no, zid
15. zid, zip code, city
16. org id ,contact no. -----> **Organization_Contact**
17. org_id, email, road no., house no, zid
18. org_id, contact no.
19. zid, zip code, city
20. nid, name, type, rescue area, org id -----> **Rescue**
21. nid, contact no. -----> **social worker_contact**
22. org id, email, road no., house no., zid, receipt no -----> **Organization**

23. ~~zid, zip code, city~~ 24. ~~org id, contact no.~~
25. ~~receipt no.~~, received_cash -----> **Accounts**
26. ~~nid, name, type, rescue area, receipt no.~~ -----> **Donation**
27. ~~nid, contact no.~~
28. ~~receipt no., received_cash~~

Final Tables:

- 1) ~~apid~~, name, age, financial status, assigned house, gender, blood group, health condition, marital status, email address, city- > **Adoptive parents**
- 2) ~~zid~~, zip code, city-- -> **Address**
- 3) ~~sid, contact no.~~ ----->**Adoption Staff_contact**
- 4) ~~uid, sid, a_id~~ -----> **Details1**
- 5) ~~hid~~, name, age, gender, type, blood group, assigned house, rescue area, adoption status-----> **Human_child**
- 6) ~~hid, sid, b_id~~ -----> **Details2**
- 7) ~~sid~~, name, father's name, mother's name, email, road no., house no., age, gender, salary, shift, Time section,~~zid, org id~~ -----> **Adoption Staff**
- 8) ~~org id ,contact no.~~ ----->**Organization_Contact**
- 9) ~~nid, name, type, rescue area, org id~~ -----> **Rescue**
- 10) ~~nid, contact no.~~ -----> **social worker_contact**
- 11) ~~org id~~, email, road no., house no., ~~zid, receipt no~~ -----> **Organization**
- 12) ~~receipt no., received_cash~~ -----> **Accounts**
- 13) ~~nid, name, type, rescue area, receipt no.~~ -----> **Donation**

Schema diagram

Table creation: Adoptive_parents

:

```
create table AdoptiveParents( apid  
Number(10) NOT NULL PRIMARY KEY,  
name VARCHAR2(20),  
Age NUMBER(10),  
Financial_status VARCHAR2(20),  
Gender VARCHAR2(20),  
Blood_group VARCHAR2(20),  
AssignedHouse VARCHAR2(20),  
Health_Condition VARCHAR2(20),  
Marital_status VARCHAR2(20),  
Adoption_Status VARCHAR2(20),  
Email_address VARCHAR2(20),  
City VARCHAR2(20))
```

```
desc AdoptiveParents;
```

```
desc AdoptiveParents;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object ADOPTIVEPARENTS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
ADOPTIVEPARENTS	APID	Number	-	10	0	1	-	-	-
	NAME	VARCHAR2	20	-	-	-	✓	-	-
	AGE	Number	-	10	0	-	✓	-	-
	FINANCIAL_STATUS	VARCHAR2	20	-	-	-	✓	-	-
	GENDER	VARCHAR2	20	-	-	-	✓	-	-
	BLOOD_GROUP	VARCHAR2	20	-	-	-	✓	-	-
	ASSIGNEDHOUSE	VARCHAR2	20	-	-	-	✓	-	-
	HEALTH_CONDITION	VARCHAR2	20	-	-	-	✓	-	-
	MARITAL_STATUS	VARCHAR2	20	-	-	-	✓	-	-
	ADOPTION_STATUS	VARCHAR2	20	-	-	-	✓	-	-
	EMAIL_ADDRESS	VARCHAR2	20	-	-	-	✓	-	-
	CITY	VARCHAR2	20	-	-	-	✓	-	-

1 - 12

Address

Create table Address(zid Number

NOT NULL PRIMARY KEY, zip_code

Number,

city Varchar2(20))

desc Address

Adoption Staff_contact Create Table Staff_Contact(sid number,

```
desc Address  
  
create sequence Address_zid increment by 1 start with 1 nocache nocycle;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object ADDRESS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
ADDRESS	ZID	Number	-	-	-	1	-	-	-
	ZIP_CODE	Number	-	-	-	-	✓	-	-
	CITY	Varchar2	20	-	-	-	✓	-	-

1-3

contact_no varchar2(20)) alter table Staff_Contact add constraint s_pk
primary key(sid, contact_no)

Details1

```
desc AdoptionStaff.Contact  
  
create sequence AdoptStaffC_sid increment by 1 start with 1 nocache nocycle;  
  
Insert INTO AdoptionStaff.Contact(sid,contact_no) values(AdoptStaffC_sid.NEXTVAL,'01400065756');
```

Results Explain Describe Saved SQL History

Object Type TABLE Object ADOPTIONSTAFF_CONTACT

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
ADOPTIONSTAFF_CONTACT	SID	Number	-	-	-	1	-	-	-
	CONTACT_NO	Varchar2	20	-	-	-	✓	-	-

1-2

Create Table Details1(apid

Number(10), sid Number, a_id

number not null primary key,

Foreign Key(apid) references

AdoptiveParents(apid),

Foreign Key(sid) references AdoptionStaff_Contact(sid));

```
desc Details1
```

```
Create table Human_Child(
hid number(10) not null primary key,
Name varchar2 (40),
```

Results Explain Describe Saved SQL History

Object Type TABLE Object DETAILS1

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DETAILS1	APID	Number	-	10	0	-	✓	-	-
	SID	Number	-	-	-	-	✓	-	-
	A_ID	Number	-	-	-	1	-	-	-
1 - 3									

Language: en-us

Human_child

```
Create table Human_Child( hid
number(10) not null primary key,
Name varchar2 (40),
Age number(10),
Gender varchar2(20), type
VARCHAR2(20),
```

```

Blood_group varchar2(20), AssignedHouse
VARCHAR2(20), rescue_Area
VARCHAR2(20),
Adoption_Status VARCHAR2(20));

```

desc Human_Child										
Results Explain Describe Saved SQL History										
Object Type TABLE Object HUMAN_CHILD										
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment	
HUMAN_CHILD	HID	Number	-	10	0	1	✓	-	-	
	NAME	Varchar2	40	-	-	-	✓	-	-	
	AGE	Number	-	10	0	-	✓	-	-	
	GENDER	Varchar2	20	-	-	-	✓	-	-	
	TYPE	Varchar2	20	-	-	-	✓	-	-	
	BLOOD_GROUP	Varchar2	20	-	-	-	✓	-	-	
	ASSIGNEDHOUSE	Varchar2	20	-	-	-	✓	-	-	
	RESCUE_AREA	Varchar2	20	-	-	-	✓	-	-	
	ADOPTION_STATUS	Varchar2	20	-	-	-	✓	-	-	

1 - 9

Language: en-gb

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Details2

Create Table Details2(b_id

number not null primary key, hid

number(10), sid number(10),

Foreign Key(hid) references Human_Child(hid),

Foreign Key(sid) references Adoptionstaff_Contact(sid));

Object Type TABLE Object DETAILS2									
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DETAILS2	B_ID	Number	-	-	-	1	-	-	-
	HID	Number	-	10	0	-	✓	-	-
	SID	Number	-	10	0	-	✓	-	-
									1 - 3

Accounts

```
Create table Accounts(
Receipt_no varchar2(20) not null primary key,
Received_cash int);
```

```
desc accounts;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object ACCOUNTS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
ACCOUNTS	RECEIPT_NO	VARCHAR2	20	-	-	1	-	-	-
	RECEIVED_CASH	NUMBER	-	-	0	-	✓	-	-

1 - 2

Donation

```
Create table Donation( Receipt_no
```

```
varchar2(20),  nid varchar2(30) not
```

```
null primary key,
```

```
Name varchar2(40),  Type
```

```
varchar2(20),
```

```
rescue_Area varchar2(20),
```

```
FOREIGN KEY (Receipt_no) REFERENCES Accounts(Receipt_no))
```

```
desc donation;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object DONATION

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DONATION	RECEIPT_NO	VARCHAR2	20	-	-	-	✓	-	-
	NID	VARCHAR2	30	-	-	1	-	-	-
	NAME	VARCHAR2	40	-	-	-	✓	-	-
	TYPE	VARCHAR2	20	-	-	-	✓	-	-
	RESCUE_AREA	VARCHAR2	20	-	-	-	✓	-	-

1 - 5

Organization:

```
Create table Organization( zid  
number(10), Receipt_no varchar2(20),  
org_id varchar2(30) not null primary key,  
Email varchar2(30),  
Road_no varchar2(20),  
House_no varchar2(20),  
FOREIGN KEY (zid) REFERENCES Address(zid),  
FOREIGN KEY (Receipt_no) REFERENCES Accounts(Receipt_no));
```

The screenshot shows the Oracle SQL Developer interface. At the top, there is a toolbar with options like AutoCommit, Display, and a dropdown set to 10. Below the toolbar is a text input field containing the SQL code for creating the 'Organization' table. The code defines the table with columns: zid (number(10)), Receipt_no (varchar2(20)), org_id (varchar2(30) primary key), Email (varchar2(30)), Road_no (varchar2(20)), and House_no (varchar2(20)). It also includes foreign key constraints linking to the 'Address' and 'Accounts' tables. Below the code, the results tab is selected, showing the table definition and its columns. The table is named 'ORGANIZATION'. The columns are: zid (Number, Primary Key, Nullable checked), RECEIPT_NO (Varchar2, Nullable checked), ORG_ID (Varchar2, Primary Key, Nullable checked), EMAIL (Varchar2, Nullable checked), ROAD_NO (Varchar2, Nullable checked), and HOUSE_NO (Varchar2, Nullable checked). A note at the bottom of the results tab indicates 1 - 6 rows.

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
ORGANIZATION	ZID	Number	-	10	0	-	✓	-	-
	RECEIPT_NO	Varchar2	20	-	-	-	✓	-	-
	ORG_ID	Varchar2	30	-	-	1	-	-	-
	EMAIL	Varchar2	30	-	-	-	✓	-	-
	ROAD_NO	Varchar2	20	-	-	-	✓	-	-
	HOUSE_NO	Varchar2	20	-	-	-	✓	-	-

Adoption staff

```
Create table Adoption_Staff(  
Name varchar2(40),  
Fathers_name varchar2(40),  
Mothers_name varchar2(40),  
Email varchar2(20), zid
```

```
number(10), org_id  
varchar2(30), sid number  
(10),  
Road_no varchar2(20),  
House_no varchar2(20),  
Age number(10),  
Gender varchar2(20),  
Salary varchar2(20),  
Time_section varchar2(20),  
Shift varchar2(20),  
FOREIGN KEY (zid) REFERENCES Address(zid),  
FOREIGN KEY (org_id) REFERENCES Organization(org_id));
```

desc Adoption_Staff;

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
ADOPTION_STAFF	NAME	Varchar2	40	-	-	-	✓	-	-
	FATHERS_NAME	Varchar2	40	-	-	-	✓	-	-
	MOTHERS_NAME	Varchar2	40	-	-	-	✓	-	-
	EMAIL	Varchar2	20	-	-	-	✓	-	-
	ZID	Number	-	10	0	-	✓	-	-
	ORG_ID	Varchar2	30	-	-	-	✓	-	-
	SID	Number	-	10	0	-	✓	-	-
	ROAD_NO	Varchar2	20	-	-	-	✓	-	-
	HOUSE_NO	Varchar2	20	-	-	-	✓	-	-
	AGE	Number	-	10	0	-	✓	-	-
	GENDER	Varchar2	20	-	-	-	✓	-	-
	SALARY	Varchar2	20	-	-	-	✓	-	-
	TIME_SECTION	Varchar2	20	-	-	-	✓	-	-
	SHIFT	Varchar2	20	-	-	-	✓	-	-

Organization_Contact:

Create table

Organization_Contact(org_id

varchar2(10), contact_no

varchar2(20),

FOREIGN KEY(org_id) REFERENCES Organization(org_id));

```
alter table Organization_Contact add constraint oc_pk primary key(org_id, contact_no)
```

Object Type	TABLE Object	ORGANIZATION_CONTACT								
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment	
ORGANIZATION_CONTACT	ORG_ID	Varchar2	10	-	-	1	-	-	-	
	CONTACT_NO	Varchar2	20	-	-	2	-	-	-	

Rescue

```
Create table Rescue( org_id  
varchar2(30),  
nid number(10) not null primary key,  
Name varchar2(40),  
Type varchar2(20),  
Rescue_area varchar2(20),  
FOREIGN KEY (org_id) REFERENCES Organization(org_id));
```

Object Type TABLE Object RESCUE										
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment	
RESCUE	ORG_ID	Varchar2	30	-	-	-	✓	-	-	
	NID	Number	-	10	0	1	-	-	-	
	NAME	Varchar2	40	-	-	-	✓	-	-	
	TYPE	Varchar2	20	-	-	-	✓	-	-	
	RESCUE_AREA	Varchar2	20	-	-	-	✓	-	-	
1 - 5										

SocialWorker_Contact

```
Create table SocialWorker_Contact( Nid varchar2(30),  
contact_no varchar2(20)); alter table Citizen_Contact add constraint c_pk  
primary key(nid,contact_no);
```

```
Create table SocialWorker_Contact(  
nid number(20), contact_no  
varchar2(20),  
FOREIGN KEY (nid) REFERENCES Rescue(nid));
```

```
alter table SocialWorker_Contact add constraint c_pk primary key(nid,contact_no);
```

```

desc SocialWorker_Contact;

Create table SocialWorker_Contact(
nid number(20),
contact_no varchar2(20),
FOREIGN KEY (nid) REFERENCES Rescue(nid));

alter table SocialWorker_Contact add constraint c_pk primary key(nid,contact_no);

```

Results Explain Describe Saved SQL History

Object Type TABLE Object RESCUE

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
RESCUE	ORG_ID	Varchar2	30	-	-	-	✓	-	-
	NID	Number	-	10	0	1	-	-	-
	NAME	Varchar2	40	-	-	-	✓	-	-
	TYPE	Varchar2	20	-	-	-	✓	-	-
	RESCUE_AREA	Varchar2	20	-	-	-	✓	-	-

1 - 5

Sequences

Adoptive parents

```
create sequence AdoptiveParents_apid increment by 1 start with 1 nocache nocycle;
```

Address

```
create sequence Address_zid increment by 1 start with 1 nocache nocycle;
```

Adoption Staff_Contact

```
create sequence AdoptStaffC_sid increment by 1 start with 1 nocache nocycle;
```

Details1

```
create sequence Details1_aid increment by 1 start with 1 nocache nocycle;
```

Human_child:

```
create sequence HumChild_hid increment by 1 start with 1 nocache nocycle;
```

Details2

```
create sequence Details2_b_id increment by 1 start with 1 nocache nocycle;
```

AdoptionStaff:

```
create sequence AdoptiveParents_apid increment by 1 start with 1 nocache nocycle;
```

Organization_contact

Rescue

```
create sequence resc_nid increment by 1 start with 1 nocache nocycle;
```

SocialWorkers_contact

Organization

```
create sequence ogans_org_id increment by 1 start with 1 nocache nocycle; Accounts
```

```
create sequence acco_receipt_no increment by 1 start with 1 nocache nocycle;
```

Donation

```
create sequence donc_nid increment by 1 start with 1 nocache nocycle;
```

Index

Adoptive parents:

```
CREATE INDEX AdoptiveParentPassage  
ON AdoptiveParents (apidofAdoptiveparents,Financial_Status,Adoption_Status);
```

Address:

```
CREATE INDEX address_zAndCity
```

```
ON address(zip_code,city);
```

Staff_contact

```
CREATE INDEX staffConc
```

```
ON staff_contact(sid,contact_no);
```

Details1

```
CREATE INDEX details1data
```

```
ON Details(uidohumanchild,sid,a_id);
```

Human_child

```
CREATE INDEX humanchilddata
```

```
ON Human(apidofAdoptiveparents, type, AssignedHouse);
```

Details2

```
CREATE INDEX details2data
```

```
ON info2(apidofAdoptiveparents, b_id);
```

Staff

```
CREATE INDEX staffdata
```

```
ON staff(sid , time_section);
```

Organization_Contact

```
CREATE INDEX oc_index
```

```
ON organization_contact(contact_no);
```

Rescue

```
CREATE INDEX rescue_alert
```

```
ON rescue(rescue area, type);
```

SocialWorker_contact

```
CREATE INDEX ct_index  
ON Citizen_contact (contact_no);
```

Organization

```
CREATE INDEX orgg_index  
ON Organization(email, receipt_no);
```

Accounts

```
CREATE INDEX acco_index  
ON accounts(received_cash);
```

Donation

```
CREATE INDEX donc_index  
ON donation(receipt_no, type);
```

Data Insertion

#Adoptive parents:

```
InsertINTOAdoptiveParents(apid,name,age,Financial_status,Assignedhouse,Gender,Blood_group,Health_  
Condition, Marital_status,Adoption_Status,Email_address, City) values
```

(AdoptiveParents_apid.NEXTVAL,'Rahim',29,'Good','kailspur','Male','A+','Excellent','Married','Available','rahim@gmail.com','Dhaka');

InsertINTOAdoptiveParents(apid,name,age,Financial_status,Assignedhouse,Gender,Blood_group,Health_Condition, Marital_status,Adoption_Status,Email_address, City) values

(AdoptiveParents_apid.NEXTVAL,'Karim',39,'Good','Motijhel','Male','B+','Good','Married','Available','karim@gmail.com','Dhaka');

InsertINTOAdoptiveParents(apid,name,age,Financial_status,Assignedhouse,Gender,Blood_group,Health_Condition, Marital_status,Adoption_Status,Email_address, City) values

(AdoptiveParents_apid.NEXTVAL,'Mahim',35,'Rich','chapeinobabjonj','Male','AB+','Satisfactory','Divorced','Available','mahim@gmail.com','Rajshahi');

InsertINTOAdoptiveParents(apid,name,age,Financial_status,Assignedhouse,Gender,Blood_group,Health_Condition, Marital_status,Adoption_Status,Email_address, City) values

(AdoptiveParents_apid.NEXTVAL,'Raima',35,'Good','komalapur','Female','O+','Excellent','Divorced','Available','raima@gmail.com','Dhaka');

InsertINTOAdoptiveParents(apid,name,age,Financial_status,Assignedhouse,Gender,Blood_group,Health_Condition, Marital_status,Adoption_Status,Email_address, City) values

(AdoptiveParents_apid.NEXTVAL,'Rubiya',45,'Middleclass','Mirasharai','Female','AB+','Excellent','Married','Available','rahim@gmail.com','Chattogram');

Results Explain Describe Saved SQL History												
APID	NAME	AGE	FINANCIAL_STATUS	GENDER	BLOOD_GROUP	ASSIGNEDHOUSE	HEALTH_CONDITION	MARITAL_STATUS	ADOPTION_STATUS	EMAIL_ADDRESS	CITY	
1	Rahim	29	Good	Male	A+	Kailspur	Excellent	Married	Available	rahim@gmail.com	Dhaka	
2	Karim	39	Good	Male	B+	Motijhel	Good	Married	Available	karim@gmail.com	Dhaka	
3	Mahim	35	Rich	Male	AB+	chapeinobabjonj	Satisfactory	Divorced	Available	mahim@gmail.com	Rajshahi	
4	Raima	35	Good	Female	O+	komalapur	Excellent	Divorced	Available	raima@gmail.com	Dhaka	
5	Rubiya	45	Middle-class	Female	AB+	Mirasharai	Excellent	Married	Available	rahim@gmail.com	Chattogram	

5 rows returned in 0.02 seconds

[CSV Export](#)

#Address

Insert INTO Address(zid,zip_code,city) values(Address_zid.NEXTVAL,310,'Chattogram');

Insert INTO Address(zid,zip_code,city) values(Address_zid.NEXTVAL,311,'Dhaka');

Insert INTO Address(zid,zip_code,city) values(Address_zid.NEXTVAL,312,'Khulna');

```
Insert INTO Address(zid,zip_code,city) values(Address_zid.NEXTVAL,313,'Sylhet');
```

```
Insert INTO Address(zid,zip_code,city) values(Address_zid.NEXTVAL,314,'Barisal');
```

```
# Adoption Staff_contact:
```

```
Insert INTO AdoptionStaff_Contact(sid,contact_no)  
values(AdoptStaffC_sid.NEXTVAL,'01400065756');
```

```
Insert INTO AdoptionStaff_Contact(sid,contact_no) values(AdoptStaffC_sid.NEXTVAL,'0141661116');
```

```
Insert INTO AdoptionStaff_Contact(sid,contact_no)  
values(AdoptStaffC_sid.NEXTVAL,'0142335746');
```

```
Insert INTO AdoptionStaff_Contact(sid,contact_no)  
values(AdoptStaffC_sid.NEXTVAL,'01452987740'); Insert INTO  
AdoptionStaff_Contact(sid,contact_no) values(AdoptStaffC_sid.NEXTVAL,'01409865744');
```

The screenshot shows a database query results page. At the top, there is a navigation bar with links: Results (which is underlined), Explain, Describe, Saved SQL, and History. Below the navigation bar is a table with the following data:

SID	CONTACT_NO
1	01400065756
2	0141661116
3	0142335746
4	01452987740
5	01409865744

Below the table, it says "5 rows returned in 0.02 seconds" and has a "CSV Export" link.

```
# Details1
```

```
Insert INTO Details1(apid, sid, a_id) values (1,1, Details1_aid.NEXTVAL);  
Insert INTO Details1(apid, sid, a_id) values (2,2, Details1_aid.NEXTVAL);  
Insert INTO Details1(apid, sid, a_id) values (3,3, Details1_aid.NEXTVAL);  
Insert INTO Details1(apid, sid, a_id) values (4,4, Details1_aid.NEXTVAL);  
Insert INTO Details1(apid, sid, a_id) values (5,5, Details1_aid.NEXTVAL);
```

Results Explain Describe Saved SQL History

APID	SID	A_ID
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5

5 rows returned in 0.00 seconds [CSV Export](#)

Details2

Insert INTO Details2(hid,sid, b_id) values (1,1,Details2_b_id.NEXTVAL);

Insert INTO Details2(hid,sid, b_id) values (2,2,Details2_b_id.NEXTVAL);

Insert INTO Details2(hid,sid, b_id) values (3,3,Details2_b_id.NEXTVAL);

Insert INTO Details2(hid,sid, b_id) values (4,4,Details2_b_id.NEXTVAL);

Insert INTO Details2(hid,sid, b_id) values (5,5,Details2_b_id.NEXTVAL);

Results Explain Describe Saved SQL History

B_ID	HID	SID
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5

5 rows returned in 0.00 seconds [CSV Export](#)

Adoption_Staff:

Insert INTO Adoption_Staff(sid,
 name,fathers_name,mothers_name,email,Road_no,House_no,age,gender,salary,shift,Time_section,zid,org_id) values
 (adoptionStaff_sid.NEXTVAL,'Harri','Mr.Atkinso','MissJaine','harri@gmail.com','121','50',30,'Male','6500','Morning','Full time',1,1);

Insert INTO Adoption_Staff(sid,
 name,fathers_name,mothers_name,email,Road_no,House_no,age,gender,salary,shift,Time_section,zid,org_id) values

(adoptionStaff_sid.NEXTVAL,'Perry','Mr.Johnson','Misskatty','perry@gmail.com','122','51',35,'Female','7500','Night','Part time',2,2);

Insert INTO Adoption_Staff(sid,
 name,fathers_name,mothers_name,email,Road_no,House_no,age,gender,salary,shift,Time_section,zid,org_id) values
 (adoptionStaff_sid.NEXTVAL,'Garry','MohammadAli','Amia','garry@gmail.com','123','52',32,'Male','6800','Night','Full time',3,3);

InsertINTOAdoption_Staff(sid,name,fathers_name,mothers_name,email,Road_no,House_no,age,
 gender,salary,shift,Time_section,zid,org_id) values
 (adoptionStaff_sid.NEXTVAL,'Karim','Md.Abdul','Rahima','karim@gmail.com','124','53',27,'Male','9500','Night','Part time',4,4);

InsertINTOAdoption_Staff(sidname,fathers_name,mothers_name,email,Road_no,House_no,age,g
 ender,salary,shift,Time_section,zid,org_id) values
 (adoptionStaff_sid.NEXTVAL,'Maiya','Mr.Shahad','Shahnara
 Alam','Maiya@gmail.com','125','54',36,'Female','8800','Morning','Full time',5,5);

NAME	FATHERS_NAME	MOTHERS_NAME	EMAIL	ZID	ORG_ID	SID	ROAD_NO	HOUSE_NO	AGE	GENDER	SALARY	TIME_SECTION	SHIFT
Harri	Mr.Atkinso	MissJaine	harri@gmail.com	1	1	1	121	50	30	Male	6500	Full time	Morning
Perry	Mr.Johnson	Misskatty	perry@gmail.com	2	2	2	122	51	35	Female	7500	Part time	Night
Garry	Mohammad Ali	Amia	garry@gmail.com	3	3	3	123	52	32	Male	6800	Full time	Night
Karim	Md.Abdul	Rahima	karim@gmail.com	4	4	4	124	53	27	Male	9500	Part time	Night
Maiya	Mr.Shahad	Shahnara Alam	Maiya@gmail.com	5	5	5	125	54	36	Female	8800	Full time	Morning

5 rows returned in 0.00 seconds [CSV Export](#)

Language: en-gb

#Organization:

```
Insert INTO Organization(org_id,email,Road_no,House_no,zid,Receipt_no)
values(ogans_org_id.NEXTVAL,'Rabin@gmail.com','801','41',1,1);
```

```
Insert INTO Organization(org_id,email,Road_no,House_no,zid,Receipt_no)
values(ogans_org_id.NEXTVAL,'Mobin@gmail.com','802','42',2,2);
```

```
Insert INTO Organization(org_id,email,Road_no,House_no,zid,Receipt_no)
values(ogans_org_id.NEXTVAL,'ali@gmail.com','803','43',3,3);
```

```
Insert INTO Organization(org_id,email,Road_no,House_no,zid,Receipt_no)
values(ogans_org_id.NEXTVAL,'hoq@gmail.com','804','44',4,4);
```

```
Insert INTO Organization(org_id,email,Road_no,House_no,zid,Receipt_no)
values(ogans_org_id.NEXTVAL,'Hari@gmail.com','805','45',5,5);
```

ZID	RECEIPT_NO	ORG_ID	EMAIL	ROAD_NO	HOUSE_NO
1	1	1	Rabin@gmail.com	801	41
2	2	2	Mobin@gmail.com	802	42
3	3	3	ali@gmail.com	803	43
4	4	4	hoq@gmail.com	804	44
5	5	5	Hari@gmail.com	805	45

5 rows returned in 0.02 seconds [CSV Export](#)

#Rescue

```
Insert INTO Rescue(nid,name,type,Rescue_area,org_id) values (resc_nid.NEXTVAL,
'karry','Senior','Madaripur',1);
```

```
Insert INTO Rescue(nid,name,type,Rescue_area,org_id) values
(resc_nid.NEXTVAL,'Maira','Junior','khilkhet',2);
```

```
Insert INTO Rescue(nid,name,type,Rescue_area,org_id) values
(resc_nid.NEXTVAL,'Jerry','Senior','Mohammadpur',3);
```

```
Insert INTO Rescue(nid,name,type,Rescue_area,org_id) values  
(resc_nid.NEXTVAL,'Helen','Senior','Comilla',4);
```

```
Insert INTO Rescue(nid,name,type,Rescue_area,org_id) values  
(resc_nid.NEXTVAL,'Arvinda','Older','Tejgaon',5);
```

[Results](#) [Explain](#) [Describe](#) [Saved SQL](#) [History](#)

ORG_ID	NID	NAME	TYPE	RESCUE_AREA
1	1	karry	Senior	Madaripur
2	2	Maira	Junior	khilkhet
3	3	Jerry	Senior	Mohammadpur
4	4	Helen	Senior	Comilla
5	5	Arvinda	Older	Tejgaon

5 rows returned in 0.01 seconds [CSV Export](#)

Language: en-gb

SocialWorker_Contact:

```
Insert INTO SocialWorker_Contact(nid,contact_no) values (1,'0188298302');
```

```
Insert INTO SocialWorker_Contact(nid,contact_no) values (2,'0188298343');
```

```
Insert INTO SocialWorker_Contact(nid,contact_no) values (3,'0185687704');
```

```
Insert INTO SocialWorker_Contact(nid,contact_no) values (4,'0188271085');
```

```
Insert INTO SocialWorker_Contact(nid,contact_no) values (5,'0188432126');
```

#Organization_contact:

```
Insert INTO Organization_Contact(org_id,contact_no) values (1,'01882665706');
```

```
Insert INTO Organization_Contact(org_id,contact_no) values (2,'01662665786');
```

```
Insert INTO Organization_Contact(org_id,contact_no) values (3,'01552665796');
```

```
Insert INTO Organization_Contact(org_id,contact_no) values (4,'01472660046');
```

```

Insert INTO Organization_Contact(org_id,contact_no) values (5,'01899665700'); #Accounts
Insert INTO Accounts(receipt_no,received_cash) values (acco_receipt_no.NEXTVAL,25000);

Insert INTO Accounts(receipt_no,received_cash) values (acco_receipt_no.NEXTVAL,24000);

Insert INTO Accounts(receipt_no,received_cash) values (acco_receipt_no.NEXTVAL,50000);

Insert INTO Accounts(receipt_no,received_cash) values (acco_receipt_no.NEXTVAL,40000);

Insert INTO Accounts(receipt_no,received_cash) values (acco_receipt_no.NEXTVAL,10000);

```

#Donation

```

Insert INTO Donation(nid,name,type,rescue_Area,Receipt_no) values
(donc_nid.NEXTVAL,'karry','Senior','Madaripur','1');

```

```

Insert INTO Donation(nid,name,type,rescue_Area,Receipt_no) values
(donc_nid.NEXTVAL,'Maira','Junior','khilkhet','2');

```

```

Insert INTO Donation(nid,name,type,rescue_Area,Receipt_no) values
(donc_nid.NEXTVAL,'Jerry','Senior','Mohammadpur','3');

```

```

Insert INTO Donation(nid,name,type,rescue_Area,Receipt_no) values
(donc_nid.NEXTVAL,'Helen','Senior','Comilla','4');

```

```

Insert INTO Donation(nid,name,type,rescue_Area,Receipt_no) values
(donc_nid.NEXTVAL,'Arvinda','Older','Tejgaon','5');

```

|

RECEIPT_NO	NID	NAME	TYPE	RESCUE_AREA
1	2	karry	Senior	Madaripur
2	3	Maira	Junior	khilkhet
3	4	Jerry	Senior	Mohammadpur
4	5	Helen	Senior	Comilla
5	6	Arvinda	Older	Tejgaon

5 rows returned in 0.01 seconds [CSV Export](#)

```
#Human_child:
Insert INTO Human_Child(hid, name, age, gender, type, Blood_group, Assignedhouse,
rescue_Area, Adoption_status) values (HumChild_hid.NEXTVAL,'mahi',06,'Male',
'Taller','O+','Kotowali','Chattogram','Available');

Insert INTO Human_Child(hid, name, age, gender, type, Blood_group, Assignedhouse,
rescue_Area, Adoption_status) values
(HumChild_hid.NEXTVAL,'ruhi',03,'Female','Shorter','O+','Banani','Dhaka','Available');

Insert INTO Human_Child(hid, name, age, gender, type, Blood_group, Assignedhouse,
rescue_Area, Adoption_status) values
(HumChild_hid.NEXTVAL,'riti',08,'Female', 'Medium','B+','Uttara','Dhaka','Available'); Insert
INTO Human_Child(hid, name, age, gender, type, Blood_group, Assignedhouse,
rescue_Area, Adoption_status) values
(HumChild_hid.NEXTVAL,'rakib',06,'Male', 'leaner' , 'A+','Narayanganj','khulna','Waiting');

Insert INTO Human_Child(hid, name, age, gender, type, Blood_group, Assignedhouse,
rescue_Area, Adoption_status) values
(HumChild_hid.NEXTVAL,'rakin',05,'Male', 'Healthy' , 'AB+','Malibagh','Dhaka','Available');
```

Results Explain Describe Saved SQL History

HID	NAME	AGE	GENDER	TYPE	BLOOD_GROUP	ASSIGNEDHOUSE	RESCUE_AREA	ADOPTION_STATUS
1	mahi	6	Male	Taller	O+	Kotowali	Chattogram	Available
2	ruhi	3	Female	Shorter	O+	Banani	Dhaka	Available
3	ruhi	3	Female	Shorter	O+	Banani	Dhaka	Available
4	riti	8	Female	Medium	B+	Uttara	Dhaka	Available
5	rakib	6	Male	leaner	A+	Narayanganj	khulna	Waiting
6	rakin	5	Male	Healthy	AB+	Malibagh	Dhaka	Available

6 rows returned in 0.01 seconds [CSV Export](#)

Language: en-gb

SQL Query Writing

Single Row:

1. write a query to show the adoptive parents who are older than 29 years

2. write a query show the adoptive parents whose marital status are is "Divorced"

```
select * from AdoptiveParents where age=>35
```

[Results](#) [Explain](#) [Describe](#) [Saved SQL](#) [History](#)

APID	NAME	AGE	FINANCIAL_STATUS	GENDER	BLOOD_GROUP	ASSIGNEDHOUSE	HEALTH_CONDITION	MARITAL_STATUS	ADOPTION_STATUS	EMAIL_ADDRESS	CITY
2	Karim	39	Good	Male	B+	Motijheel	Good	Married	Available	karim@gmail.com	Dhaka
3	Mahim	35	Rich	Male	AB+	chapainobabjonj	Satisfactory	Divorced	Available	mahim@gmail.com	Rajshahi
4	Raima	35	Good	Female	O+	komalapur	Excellent	Divorced	Available	raima@gmail.com	Dhaka
5	Rubiya	45	Middle-class	Female	AB+	Mirasharai	Excellent	Married	Available	rahim@gmail.com	Chittogram

4 rows returned in 0.01 seconds

[CSV Export](#)

Language: en-gb

```
select * from AdoptiveParents where marital_status='Divorced';
```



Results Explain Describe Saved SQL History

APID	NAME	AGE	FINANCIAL_STATUS	GENDER	BLOOD_GROUP	ASSIGNEDHOUSE	HEALTH_CONDITION	MARITAL_STATUS	ADOPTION_STATUS	EMAIL_ADDRESS	CITY
3	Mahim	35	Rich	Male	AB+	chaphainobabjonj	Satisfactory	Divorced	Available	mahim@gmail.com	Rajshahi
4	Raima	35	Good	Female	O+	komalapur	Excellent	Divorced	Available	raima@gmail.com	Dhaka

2 rows returned in 0.01 seconds

[CSV Export](#)

Application Express 2.1.0.0.39

Language: en-gb

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ENG INTL 4:56 AM 5/15/2023

3. Write a query to show the donation that has received the highest cash
20,000/=

```
select * from accounts where receipt_no =3;
```

Results Explain Describe Saved SQL History

RECEIPT_NO	RECEIVED_CASH
3	50000

1 rows returned in 0.01 seconds

[CSV Export](#)

Language: en-gb



Group Function:

1. Write a query to show prisoner's name and average age and group them by names child

2. show the youngest age from adopt child

```
select name,avg(age) from Human Child group by name
```

Results Explain Describe Saved SQL History

NAME	AVG(AGE)
riti	8
rakin	5
rakib	6
mahi	6
ruhi	3

5 rows returned in 0.00 seconds

[CSV Export](#)

```
select Min(age) from Human child;
```

Results Explain Describe Saved SQL History

MIN(AGE)
3

1 rows returned in 0.00 seconds

[CSV Export](#)

3. Write a query to show adoptive parents who are ready to have child 'Available' .

```
select name,adoption_status  
From AdoptiveParents where  
adoption_status ='Available';
```

Results Explain Describe Saved SQL History

NAME	ADOPTION_STATUS
Rahim	Available
Karim	Available
Mahim	Available
Raima	Available
Rubiya	Available

5 rows returned in 0.00 seconds

[CSV Export](#)

Subquery:

1. Write a subquery to display name , fathers name ,age and whose adoption stuff age is bigger than Maiya from adoption stuff table

```
select name,fathers_name  
from adoption_staff where age=(select age from adoption_staff where  
name='Maiya');
```

Results Explain Describe Saved SQL History

NAME	FATHERS_NAME
Maiya	Mr.Shahad

1 rows returned in 0.01 seconds

[CSV Export](#)

2. Write a subquery to display name , receipt no ,age and whose donation receipt no is smaller than karry

```
select name,receipt_no from Donation where receipt_no<(select receipt_no from  
Donation where name ='Karry');
```

[Results](#) [Explain](#) [Describe](#) [Saved SQL](#) [History](#)

NAME
karry

1 rows returned in 0.00 seconds [CSV Export](#)

View:

1. creating a view containing all details of adoption staff members

2. creating a view containing all details human child available to adopt

```
CREATE VIEW StaffsInfo AS
SELECT * from adoption_staff
Select * from StaffsInfo;
```

[Results](#) [Explain](#) [Describe](#) [Saved SQL](#) [History](#)

NAME	FATHERS_NAME	MOTHERS_NAME	EMAIL	ZID	ORG_ID	SID	ROAD_NO	HOUSE_NO	AGE	GENDER	SALARY	TIME_SECTION	SHIFT
Harri	Mr.Atkinso	MissJaine	harri@gmail.com	1	1	1	121	50	30	Male	6500	Full time	Morning
Perry	Mr.Johnson	MissKatty	perry@gmail.com	2	2	2	122	51	35	Female	7500	Part time	Night
Garry	Mohammad Ali	Amia	garry@gmail.com	3	3	3	123	52	32	Male	6800	Full time	Night
Karim	Md Abdul	Rahima	karim@gmail.com	4	4	4	124	53	27	Male	9500	Part time	Night
Maiya	Mr Shahad	Shahnara Alam	Maiya@gmail.com	5	5	5	125	54	36	Female	8800	Full time	Morning

5 rows returned in 0.00 seconds

[CSV Export](#)

Language en-gb

Copy

```
CREATE VIEW ChildAvailableToAdopt AS
SELECT * from AdoptiveParents where Adoption_Status='Available';
Select * from ChildAvailableToAdopt ;
```

[Results](#) [Explain](#) [Describe](#) [Saved SQL](#) [History](#)

APID	NAME	AGE	FINANCIAL_STATUS	GENDER	BLOOD_GROUP	ASSIGNEDHOUSE	HEALTH_CONDITION	MARITAL_STATUS	ADOPTION_STATUS	EMAIL_ADDRESS	CITY
1	Rahim	29	Good	Male	A+	kailspur	Excellent	Married	Available	rahim@gmail.com	Dhaka
2	Karim	39	Good	Male	B+	Motijheel	Good	Married	Available	karim@gmail.com	Dhaka
3	Mahim	35	Rich	Male	AB+	chapanbabjonj	Satisfactory	Divorced	Available	mahim@gmail.com	Rajshahi
4	Raima	35	Good	Female	O+	komalapur	Excellent	Divorced	Available	raima@gmail.com	Dhaka
5	Rubiya	45	Middle-class	Female	AB+	Mirasharai	Excellent	Married	Available	rahim@gmail.com	Chattogram

5 rows returned in 0.03 seconds

[CSV Export](#)

Join:

1 . Joining the work title from address table and organization from cell table using EQUIJOIN as address table and organization has direct relation select c.city, w.email

From Address c, Organization w

Where c.zid=w.zid;

The screenshot shows a SQL query execution interface. The SQL code is:

```
select c.city, w.email
From Address c, Organization w
where c.zid=w.zid;
```

The results are displayed in a table:

CITY	EMAIL
Chattogram	Rabin@gmail.com
Dhaka	Mobin@gmail.com
Khulna	ali@gmail.com
Sylhet	hoq@gmail.com
Bansal	Han@gmail.com

Below the table, it says "5 rows returned in 0.02 seconds" and there is a "CSV Export" link. At the bottom, it shows "Language: en-gb" and "Application Express 2.1.0.0 Copyright © 1999, 2006, Oracle. All rights reserved".

2. Joining the work title from adoption staff and organization contact from using LEFTOUTERJOIN as from adoption staff and organization has direct relation

select a.name,a.salary,b.contact_no

From adoption_staff a, Organization_Contact b

Where a.org_id(+) = b.org_id;

```
select a.name,a.salary,b.contact_no  
From adoption_staff a, Organization_Contact b  
Where a.org_id(+) = b.org_id;
```

[Results](#) [Explain](#) [Describe](#) [Saved SQL](#) [History](#)

NAME	SALARY	CONTACT_NO
Harri	6500	01882665706
Perry	7500	01662665786
Garry	6800	01552665796
Karim	9500	01472660046
Maiya	8800	01899665700

5 rows returned in 0.01 seconds

[CSV Export](#)

Synoname:

CREATE PUBLIC SYNONYM SDetails

FOR Adopted_Staff;

CREATE PUBLIC SYNONYM donationinfo

FOR Donations;

PL/SQL:

Function:

1.Create a function that returns the total number of in the salary for adopted_stuff

```
CREATE FUNCTION totalstaffsalary RETURN  
number AS  
total number(2) := 0;  
BEGIN  
SELECT count(*) into total  
FROM adoption_staff;
```

```
RETURN total;  
END;  
  
DECLARE g  
number(2);  
  
BEGIN  
  
g := totalstaffsalary();  
  
dbms_output.put_line('Total no. of Officer: ' || c);  
  
END;
```

2.Create a function that returns the number of adoption staff whose age is less than 35 years in the working details table.

```
CREATE FUNCTION staffworkers RETURN  
number AS  
  
total number(2) := 0; BEGIN  
  
select count(*) into total  
  
FROM adoption_staff WHERE age <35;  
  
RETURN total;  
  
END;
```

/ Calling a Function:

```
DECLARE h number(2);

BEGIN h :=  
staffworker();  
dbms_output.put_line('Total staff worker salary is : ' || h);  
END; /
```

3. create a procedure to update the value of the column of shift from Day to Night in officer table.

Procedure:

1. create a procedure to update the value of the column of shift from Day to Night for adoption staff members. CREATE PROCEDURE adjust_shift(

```
in_shift  
IN staff.shift%TYPE)  
IS  
BEGIN  
UPDATE adoption_staff  
SET shift ='Night'  
WHERE shift = in_shift;  
END;
```

```
begin adjust_shift('Morning'); end  
select * from adoption_staff; rollback
```

Record:

1. Create a record that can output the name, rank and shift of the officer whose id is 20202 in the officer table.

```
declare  
name%rowtype; begin  
select * into name from adoption_staff where  
house_no=51;  
dbms_output.put_line('Name: ' || adoption_staff.name);  
dbms_output.put_line('Fathers name: ' || adoption_staff.rank);  
dbms_output.put_line('Shift: ' || adoption_staff.shift); end /
```

Cursor:

1. Create a cursor that can output 1st adoption staff name on the table. declare
name adoption_staff_details.name%type;
cursor adopted_name is select name
from adoption_staff; begin open
prisoner; fetch staff into name;
dbms_output.put_line('1st Name: ' || name);
close name; end /

Relational Algebra

Rescue; Rescue' = Rescue U {(res_seq.NEXTVAL, 'Parry', 'Senior', 'Halishahr', 20425901),
(res_seq.NEXTVAL, 'Kaira', 'Senior', 'khilkhet', 20425902), (res_seq.NEXTVAL, 'Mary', 'Junior',
'Mohammadpur', 20425903), (res_seq.NEXTVAL, 'Helen', 'Senior', 'Sylhet', 20425904),
(res_seq.NEXTVAL, 'kilen', 'Junior', 'Tejgaon', 20425905)}

Social_worker' = Citizen_contact U {(social_worker_seq.NEXTVAL, '01882982346'),
(social_worker.NEXTVAL, '01882980076'), (social_worker.NEXTVAL, '01856876346'),
(citcon_seq.NEXTVAL, '01882710946'), (social_worker.NEXTVAL, '01884321346')}

Accounts; $\pi\{\text{receipt_no}, \text{received_cash}\}(\text{Accounts}) \bowtie \{\text{a_seq.NEXTVAL},$
 $'10000'\}(1) \bowtie \{\text{a_seq.NEXTVAL}, '15000'\}(1) \bowtie \{\text{a_seq.NEXTVAL}, '20000'\}(1)$
 $\bowtie \{\text{a_seq.NEXTVAL}, '43000'\}(1) \bowtie \{\text{a_seq.NEXTVAL}, '40000'\}(1)$

Conclusion

Our project findings indicate that we have made a significant impact on the lives of those we serve by providing a loving environment and care for their well-being. Our outreach efforts have increased public awareness of our cause and encouraged others to make a positive impact. However, we recognize that there is still much work to be done, and we are committed to improving our existing project to make an even greater impact. In the future, we plan to expand our outreach efforts to reach more individuals and raise awareness of our cause. We also plan to increase our efforts to promote adoption services and find loving homes for those in need. Additionally, we aim to provide more volunteer opportunities for individuals to get involved and make a difference in their communities. Our proposed future work will enable us to improve our existing project and make an even greater impact on the lives of those we serve. We welcome donations and volunteers to help support our mission and encourage others to get involved and make a positive difference in the world.

