**INTRODUCTION:**

**A database management system is a system software which system is crucial for any institute. Our project was to create a database management system for a beautiparlour. In order to do this we had gone through this phase**

**-Scenario**

**-ER diagram**

**-normalization**

**-Table Creation**

**-Data Insertion**

**-Query Writing**

**Scenario**:

Our project was to create a database management system for a beauty parlour. In order to create a database management system for a beauty parlour we have visited ‘Persona’.

In this beauty parlour, they have to store the address, email, and owner id of owner. Owner has a beauty parlour and beauty parlour have branches. They keep beauty parlour name, branch id, branch name and branch address in the database. Branches have to keep appointments with customer and an appointment has time, id, and date. Appointments are booked by customer and customer has name, address, phone number, gender, and id. An appointment has services and services have name, id, price, time. On the other hand, services are done by beauticians and beauticians have name, id, arrival time, salary, gender, phone number, skills.

A branch has a manager and manager has name, number, salary, email, hiredate, id and address. A branch has a beauty shop and they sell beauty products which has name, price id, stock, selling date. A beauty shop has shop keeper and shop keeper has name, id, hiredate, email, number, salary.Thats all data persona store in their database management system.

Owner --------1-------have----------1-------Beauty\_parlour

UNF:

Have(O\_ID, O\_email, O\_adress , BP\_name, BP\_license\_no.)

1NF:

There is no multiple attribute.

1 .O\_ID ,O\_name, O\_email, place\_name, road.no. , BP\_name, BP\_license\_no.

2NF:

1 .O\_ID ,O\_name, O\_email, place\_name, road.no.

2 .BP\_name, BP\_license\_no.

3NF:

1.O\_ID , O\_name, O\_email.

2.Place\_name, road.no.

3.BP\_name, BP\_license\_no.

TABLE CREATION:

1.O\_ID , O\_name, O\_email, **A\_code** ;

2.A\_code ,Place\_name, road.no.

3.BP\_name, BP\_license\_no.

Beauty\_parlour --------1-------has----------\*-------Branches

UNF:

Has ( BP\_name, BP\_license\_no., Branch\_id, branch\_name, place\_name, road.no.)

1NF:

There is no multiple attribute.

1. BP\_name, BP\_license\_no. , Branch\_id, branch\_name, place\_name, road.no.

2NF:

1. BP\_name, BP\_license\_no.
2. Branch\_id, branch\_name, place\_name, road.no.

3NF:

1. BP\_name, BP\_license\_no.
2. Branch\_id, branch\_name
3. place\_name, road.no.

TABLE CREATION:

1. BP\_name, BP\_license\_no.
2. Branch\_id, branch\_name ,**A\_code**,**BP\_license\_no.**
3. A\_code ,place\_name, road.no.

Branches --------1-------have----------1-------Manager

UNF:

Have (Branch\_id , Branch name, place\_name, road.no. , M\_hiredate, M\_email, M\_id, place\_name, road.no. , M\_name, M\_salary, M\_number)

1NF:

There is no multiple attribute .

1. Branch\_id , Branch name, place\_name, road.no. , M\_hiredate, M\_email, M\_id, place\_name, road.no. , M\_name, M\_salary, M\_number .

2NF:

1. Branch\_id , Branch name, place\_name, road.no.
2. M\_hiredate, M\_email, M\_id, place\_name, road.no. , M\_name, M\_salary, M\_number .

3NF:

1. Branch\_id , Branch name
2. place\_name, road.no.
3. M\_hiredate, M\_email, M\_id, ,M\_name, M\_salary, M\_number.

TABLE CREATION:

1. Branch\_id , Branch name, **A\_code**
2. A\_code, place\_name, road.no.
3. M\_hiredate, M\_email, M\_id, , M\_name, M\_salary, M\_number , **A\_code**,**Branch\_id**

Branches --------1-------has----------\*-------Employee

UNF:

Has (Branch\_id , Branch name, place\_name, road.no. , E\_id, E\_name, E\_arr\_time , E\_working\_hour , E\_number , E\_gender , E\_salary)

1NF:

There is no multiple attribute .

1. Branch\_id ,Branch\_name, place\_name, road.no. , E\_id, E\_name, E\_arr\_time ,E\_working\_hour , E\_number , E\_gender , E\_salary .

2NF:

1. Branch\_id ,Branch\_name, place\_name, road.no.
2. E\_id, E\_name, E\_arr\_time ,E\_working\_hour , E\_number , E\_gender , E\_salary .

3NF:

1. Branch\_id ,Branch\_name.
2. Place\_name, road.no.
3. E\_id, E\_name, E\_arr\_time ,E\_working\_hour , E\_number , E\_gender , E\_salary .

TABLE CREATION:

1. Branch\_id ,Branch\_name, **A\_code**.
2. A\_code ,Place\_name, road.no.
3. E\_id, E\_name, E\_arr\_time ,E\_working\_hour , E\_number , E\_gender , E\_salary, **Branch\_id** .

Branches --------1-------have----------\*-------Appointment

UNF:

Have (Branch\_id , Branch name, place\_name, road.no. , A\_time , A\_id, A\_date )

1NF:

There is no multiple attribute .

1. Branch\_id , Branch name, place\_name, road.no., A\_time , A\_id, A\_date

2NF:

1. Branch\_id , Branch name, place\_name, road.no.
2. A\_time ,A\_id, A\_date.

3NF:

1. Branch\_id , Branch name
2. place\_name, road.no.
3. A\_time ,A\_id, A\_date.

TABLE CREATION :

1. Branch\_id , Branch name , **A\_code**
2. A\_code,place\_name, road.no.
3. A\_time ,A\_id, A\_date , **Branch\_id .**

Appointment -------\*-----Booked by-------\*------Customer

UNF:

Booked by (A\_time ,A\_id, A\_date , C\_id, C\_name , C\_gender, place\_name, road.no. , C\_phone, C\_email )

1NF:

There is no multiple attribute.

1. A\_time ,A\_id, A\_date , C\_id, C\_name , C\_gender, place\_name, road.no. , C\_phone, C\_email .

2NF:

1. A\_time , A\_id, A\_date
2. C\_id,C\_name , C\_gender, place\_name, road.no. , C\_phone, C\_email .

3NF:

1. A\_time , A\_id, A\_date
2. C\_id,C\_name , C\_gender , C\_phone, C\_email .
3. A\_code, place\_name, road.no.

TABLE CREATION:

1. A\_time , A\_id, A\_date
2. C\_id,C\_name , C\_gender , C\_phone, C\_email, **A\_code**.
3. A\_code, place\_name, road.no.
4. **A\_id** , **C\_id**

Appointment ---------\*-------By--------\*--------Services

UNF:

By (A\_time ,A\_id, A\_date , S\_name, S\_id, S\_price , S\_time)

1NF:

There is no multiple attribute.

1. A\_time ,A\_id, A\_date , S\_name, S\_id, S\_price , S\_time.

2NF:

1. A\_time , A\_id, A\_date
2. S\_name, S\_id, S\_price , S\_time

3NF:

1. A\_time , A\_id, A\_date
2. S\_name, S\_id, S\_price , S\_time

TABLE CREATION :

1. A\_time , A\_id, A\_date
2. S\_name, S\_id, S\_price , S\_time
3. **A\_id**, **S\_id**

Services ---------\*-------provide--------1--------Beauticians

UNF:

Provide (S\_name, S\_id, S\_price , S\_time , B\_gender , B\_id, B\_name , B\_phone, place\_name, road.no., B\_salary, skill, B\_arr\_time )

1NF:

Skill is the multiple attribute .

1. S\_name, S\_id, S\_price , S\_time , B\_gender , B\_id, B\_name , B\_phone, place\_name, road.no., B\_salary, skill, B\_arr\_time

2NF:

1. S\_name, S\_id, S\_price , S\_time
2. B\_gender , B\_id, B\_name , B\_phone, place\_name, road.no., B\_salary, skill, B\_arr\_time

3NF:

1. S\_name, S\_id, S\_price , S\_time
2. B\_gender , B\_id, B\_name, , B\_phone, ., B\_salary, skill, B\_arr\_time
3. A\_code, place\_name, road.no

TABLE CREATION :

1. S\_name, S\_id, S\_price ,S\_time, **B\_id , skill.**
2. B\_gender , B\_id, B\_name, , B\_phone, ., B\_salary, skill, B\_arr\_time, **A\_code**
3. A\_code,place\_name, road.no.

Manager ---------1-------under--------\*--------Beauticians

UNF:

Under ( M\_hiredate, M\_email, M\_id, place\_name, road.no. , M\_name, M\_salary, M\_number, , B\_gender , B\_id, B\_name , B\_phone, place\_name, road.no., B\_salary, skill, B\_arr\_time )

1NF:

Skill is the multiple attribute.

1. M\_hiredate, M\_email, M\_id, place\_name, road.no. , M\_name, M\_salary, M\_number, B\_gender , B\_id, B\_name , B\_phone, place\_name, road.no., B\_salary, skill, B\_arr\_time.

2NF:

1. M\_hiredate, M\_email, M\_id, place\_name, road.no. , M\_name, M\_salary, M\_number.
2. B\_gender ,B\_id, B\_name , B\_phone, place\_name, road.no., B\_salary, skill, B\_arr\_time.

3NF:

1. M\_hiredate, M\_email, M\_id ,M\_name, M\_salary, M\_number.
2. place\_name, road.no.
3. B\_gender ,B\_id, B\_name , B\_phone, B\_salary, skill, B\_arr\_time.

TABLE CREATION :

1. M\_hiredate, M\_email, M\_id ,M\_name, M\_salary, M\_number, **A\_code**.
2. A\_code,place\_name, road.no.
3. B\_gender ,B\_id, B\_name , B\_phone, B\_salary, skill, B\_arr\_time, **A\_code**, **M\_id**.

Branches ---------1-------has--------1--------Beautishop

UNF:

Has(Branch\_id , Branch\_name, place\_name, road.no., P\_name, shop\_id,P\_id,P\_stock, P\_price, P\_selling\_date)

1NF:

There is no multiple attribute.

1. Branch\_id , Branch\_name, place\_name, road.no., P\_name, shop\_id,P\_id,P\_stock, P\_price, P\_selling\_date

2NF:

1. Branch\_id ,Branch\_name, place\_name, road.no.
2. P\_name, shop\_id,P\_id,P\_stock, P\_price, P\_selling\_date

3NF:

1. Branch\_id , Branch\_name
2. place\_name, road.no.
3. P\_name, Shop\_id,P\_id,P\_stock, P\_price, P\_selling\_date

TABLE CREATION:

1. Branch\_id ,Branch\_name, **A\_code, P\_id, Shop\_id.**
2. A\_code ,place\_name, road.no.
3. P\_name, Shop\_id,P\_id, P\_stock, P\_price, P\_selling\_date

Beautishop ---------1-------has--------1--------Shopkeeper

UNF:

Has (P\_name, shop\_id,P\_id,P\_stock, P\_price, P\_selling\_date, S\_id,S\_name, S\_hiredate, S\_salary, S\_number, S\_email )

1NF:

There is no multiple attribute .

1. P\_name, Shop\_id,P\_id,P\_stock, P\_price, P\_selling\_date, S\_id, S\_name, S\_hiredate, S\_salary, S\_number, S\_email, place\_name, road.no.

2NF:

1. P\_name, P\_id, P\_stock, P\_price, P\_selling\_date
2. S\_id, S\_name, S\_hiredate, S\_salary, S\_number, S\_email, place\_name, road.no.

3NF:

1. P\_name, Shop\_id,P\_id,P\_stock, P\_price, P\_selling\_date
2. S\_id, S\_name, S\_hiredate, S\_salary, S\_number, S\_email
3. place\_name, road.no.

TABLE CREATION :

1. P\_name, shop\_id,P\_id,P\_stock, P\_price, P\_selling\_date
2. S\_id, S\_name, S\_hiredate, S\_salary, S\_number, S\_email, **A\_code, shop\_id,P\_id.**
3. A\_code, place\_name, road.no.

TABLE COLLECTIONS:

1.O\_ID , O\_email, **A\_code** .

2.A\_code , Place\_name, road.no.

3.BP\_name, BP\_license\_no.

~~4. BP\_name, BP\_license\_no.~~

5. Branch\_id, branch\_name ,**A\_code** , **BP\_license\_no**.

~~6. A\_code ,place\_name, road.no.~~

~~7. Branch\_id , Branch name~~**~~, A\_code~~**~~.~~

~~8. A\_code, place\_name, road.no.~~

9. M\_hiredate, M\_email, M\_id ,M\_name, M\_salary, M\_number**, A\_code ,Branch\_id**.

~~10. Branch\_id ,Branch\_name,~~ **~~A\_code~~**~~.~~

~~11. A\_code ,Place\_name, road.no.~~

12. E\_id, E\_name, E\_arr\_time ,E\_working\_hour , E\_number , E\_gender , E\_salary, **Branch\_id** .

~~13. Branch\_id , Branch name ,~~ **~~A\_code~~**

~~14. A\_code ,place\_name, road.no.~~

15. A\_time ,A\_id , A\_date , **Branch\_id** .

~~16. A\_time,A\_id , A\_date~~

17. C\_id ,C\_name , C\_gender , C\_phone, C\_email , **A\_code**.

~~18. A\_code, place\_name, road.no.~~

19. **A\_id** ,**C\_id**

~~20. A\_time ,A\_id , A\_date~~

~~21. S\_name, S\_id, S\_price ,S\_time~~

22. **A\_id** ,**S\_id**

23. S\_name, S\_id, S\_price ,S\_time, **B\_id** , **skill**.

~~24. B\_gender,B\_id, B\_name, B\_phone, B\_salary, skill,~~ **~~A\_code~~**

~~25. A\_code ,place\_name, road.no.~~

~~26. M\_hiredate, M\_email, M\_id ,M\_name, M\_salary, M\_number~~**~~, A\_code~~**~~.~~

~~27. A\_code ,place\_name, road.no.~~

28. B\_gender,B\_id, B\_name , B\_phone, B\_salary, skill, A\_code, **M\_id.**

~~29. Branch\_id ,Branch\_name,~~ **~~A\_code~~**~~,~~ **~~P\_id, Shop\_id.~~**

~~30. A\_code ,place\_name, road.no.~~

31. P\_name, Shop\_id ,P\_id, P\_stock, P\_price, P\_selling\_date

~~32. P\_name, shop\_id, P\_id, P\_stock, P\_price, P\_selling\_date~~

33. Sk\_id, Sk\_name, Sk\_hiredate, Sk\_salary, Sk\_number, Sk\_email, **A\_code, shop\_id,P\_id.**

~~34. A\_code, place\_name, road.no.~~

FINAL TABLE:------------- #TABLE\_NAME

1. O\_id,O\_name, **A\_code**---**#Owner**

2. A\_code, place name, road.no. ----**# Address**

3.BP\_name, BP\_licience no ------**#Beautiparlour**

4.Branch\_id, branch\_name, **A\_code, BP\_licience**------**#Branch**

5. M\_hire date, M\_email, M\_id, M-name, M\_salary, M\_number,**A\_code,Branch\_id------#Manager**

6. E\_id,E\_name, E\_arr-time, E\_ working-hour, E\_number, E\_gender, E\_salary ---------**#Employee**

7. A\_time, A\_id, A\_id, **A\_date, branch\_id ------#Appointment**

8. C\_id, C\_name, C\_gender, C\_phone, C\_email**, A\_code-----#Customer**

9. **A\_id, C\_id ----------#f1\_k\_many**

10**. A\_id,S\_id**, -----------**#f2\_k\_many**

11. S\_name, S\_id ,S\_price , S\_time, **B\_id , Skill**---------**#Service**

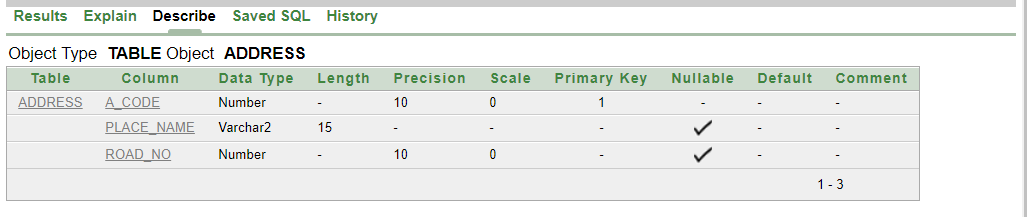
12. B\_gender, B\_id, B\_name, B\_phone, B\_salary, Skill**, A\_code, Mid -----------------------#Beautician**

13. P\_name, shop\_id, P\_id ,P\_stock, P\_price , P\_selling date, **Branch\_id------------------#Shop**

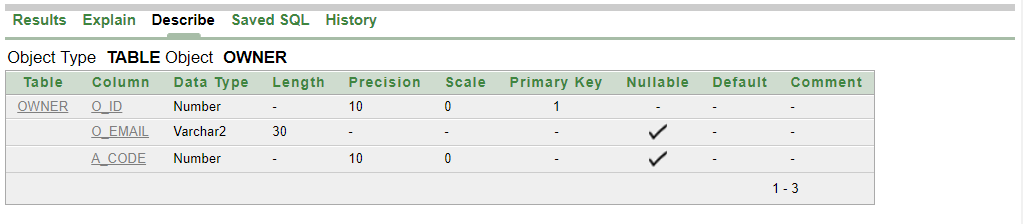
14. S\_name, S\_id, S\_hiredate, S\_salary, S\_number, S\_email**, Acode, shop\_id ,P\_id** ----------**#Shop-Keeper**

TABLE CREATION:-

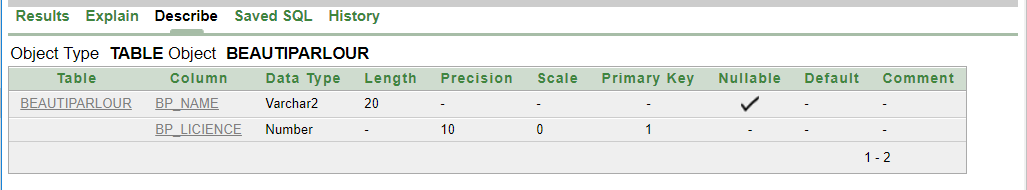
**1.create table Address (A\_code number(10) primary key, Place\_name varchar2(15), Road\_no number(10));**

****

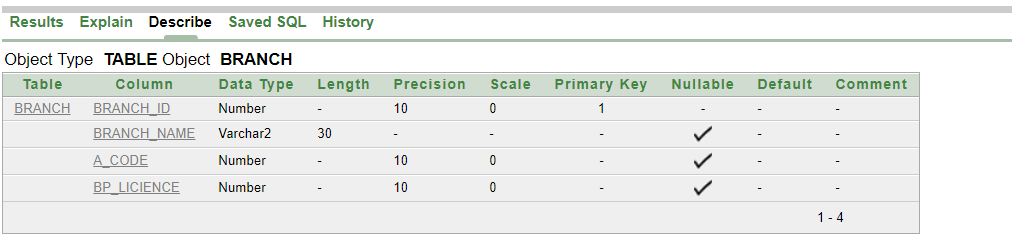
**2.create table Owner (O\_id number(10) primary key, O\_email varchar2(30), A\_code number(10));**

****

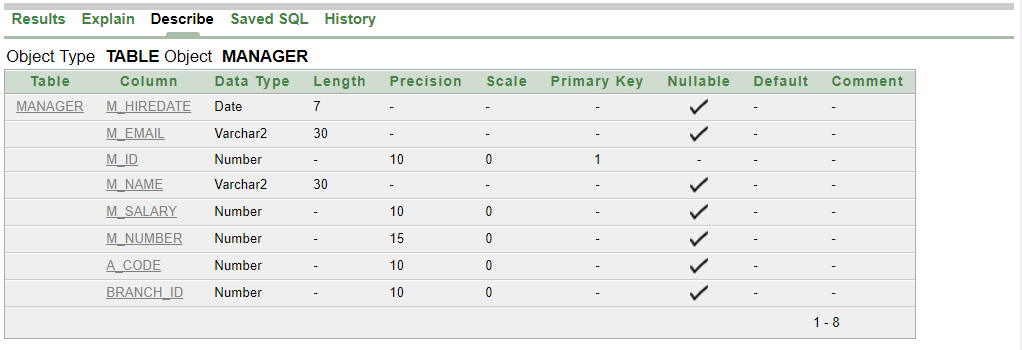
**3. create table Beautiparlour (BP\_name varchar2(20), BP\_licience number(10));**

****

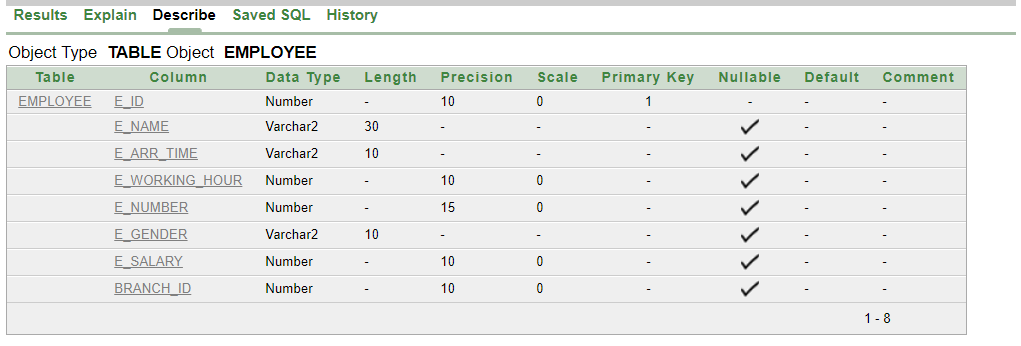
**4.create table Branch (Branch\_id number(10) primary key, Branch\_name varchar2(30), A\_code number(10), BP\_licience number(10));**

****

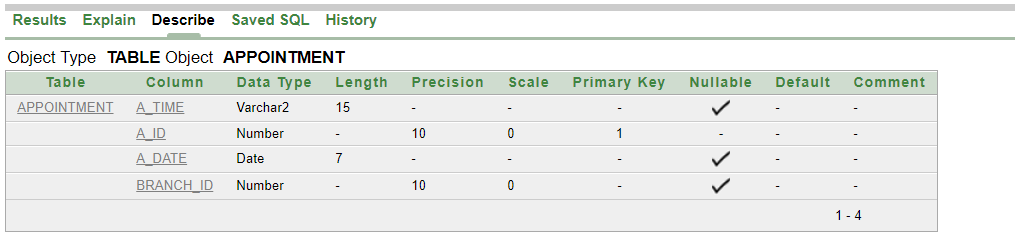
**5.create table Manager (M\_hiredate varchar2(10), M\_email varchar2(30), M\_id number(10) primary key,M\_name varchar2(30), M\_salary number(10), M\_number number(15), A\_code number(10), Branch\_id number(10));**

****

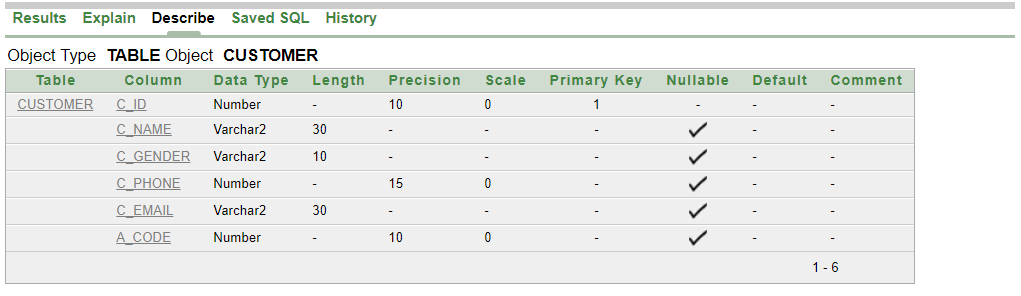
**6.create table Employee (E\_id number(10) primary key, E\_name varchar2(30),E\_arr\_time varchar2(10), E\_working\_hour number(10),E\_number number(15), E\_gender varchar2(10), E\_salary number(10), Branch\_id number(10));**

****

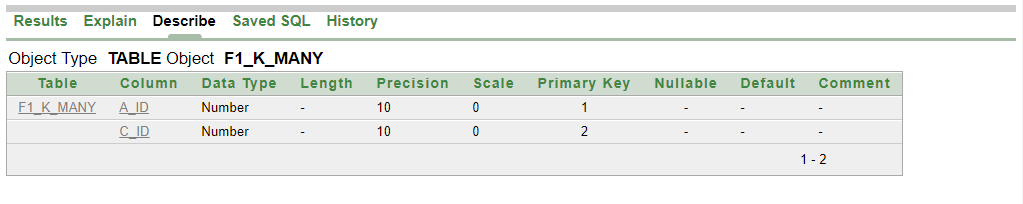
**7.create table Appointment (A\_time varchar2(15), A\_id number(10) primary key, A\_date varchar2(10), Branch\_id number(10));**

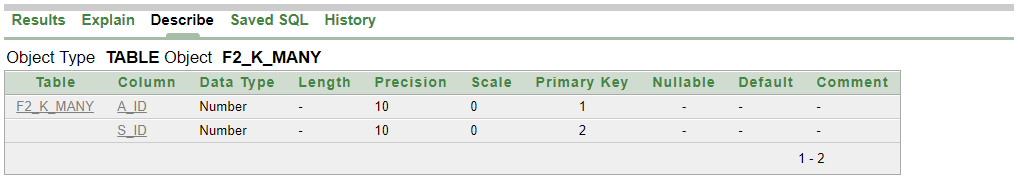
****

**8.create table Customer (C\_id number(10) primary key, C\_name varchar2(30), C\_gender varchar2(10), C\_phone number(15), C\_email varchar2(30), A\_code number(10));**

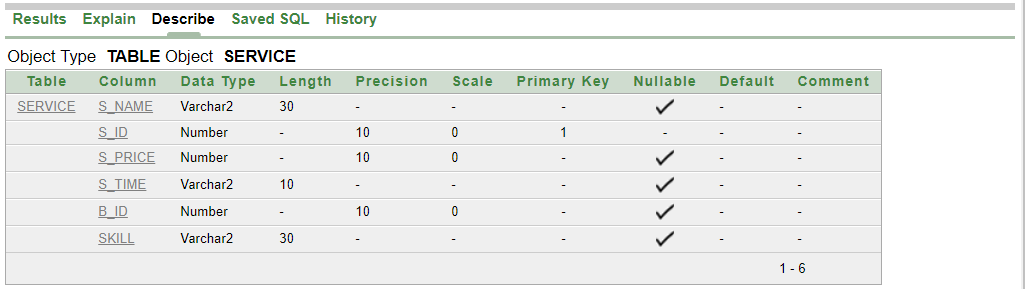
****

**9.create table f1\_k\_many (A\_id number(10), C\_id number(10));**

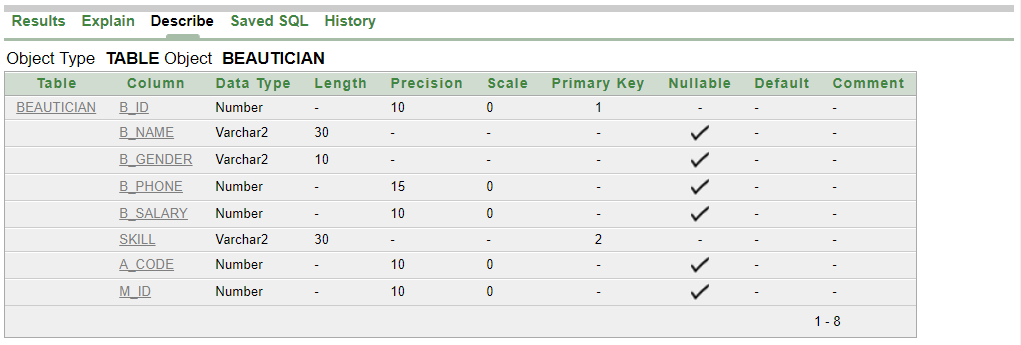
**10.create table f2\_k\_many (A\_id number(10), S\_id number(10));**

****

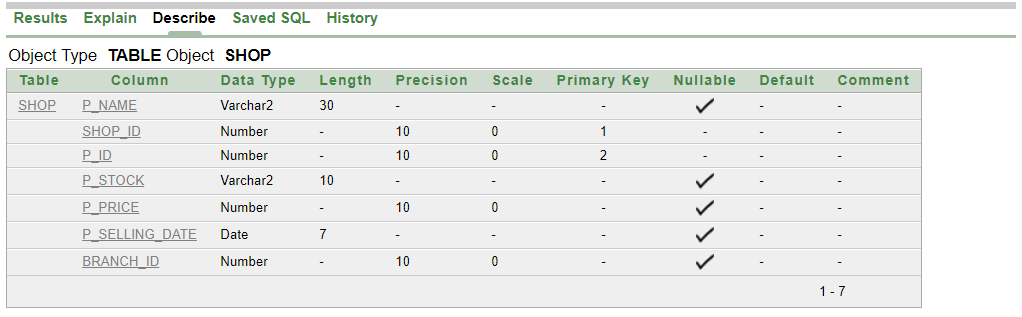
**11. create table Service (S\_name varchar2(30), S\_id number(10) primary key, S\_price number(10), S\_time varchar2(10), B\_id number(10), skill varchar2(30));**

****

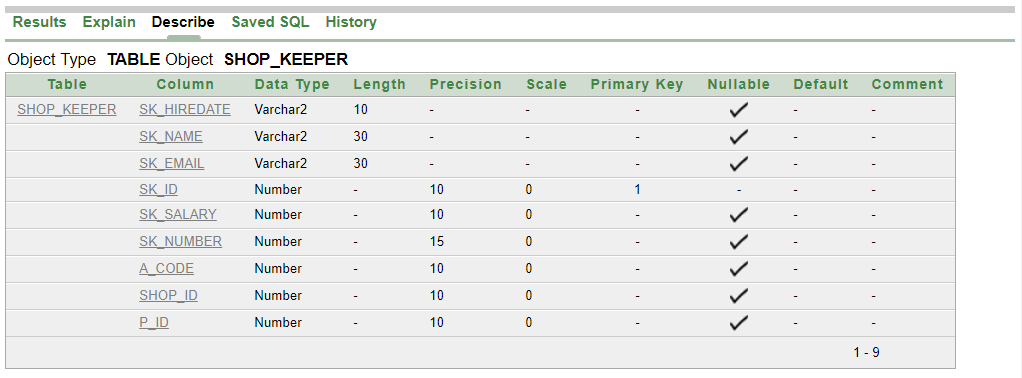
**12.create table Beautician (B\_id number(10), B\_name varchar2(30), B\_gender varchar2(10), B\_phone number(15), B\_salary number(10),skill varchar2(30), A\_code number(10), M\_id number(10));**

****

**13. create table Shop ( P\_name varchar2(30), Shop\_id number(10), P\_id number(10), P\_stock varchar2(10), P\_price number(10), P\_selling\_date varchar2(15), Branch\_id number(10));**

****

**14. create table Manager (SK\_hiredate varchar2(10),SK\_name varchar2(30), SK\_email varchar2(30), SK\_id number(10) primary key, SK\_salary number(10), SK\_number number(15), A\_code number(10), Shop\_id number(10), P\_id number(10));**

****

**Foreign & Primary keys set-up:**

alter table Owner add constraint ab foreign key (A\_code) references Address (A\_code);

alter table Branch add constraint ac foreign key (A\_code) references Address (A\_code);

alter table Manager add constraint ad foreign key (A\_code) references Address (A\_code);

alter table Customer add constraint ae foreign key (A\_code) references Address (A\_code);

alter table Beautician add constraint af foreign key (A\_code) references Address (A\_code);

alter table shop\_keeper add constraint ag foreign key (A\_code) references Address (A\_code);

alter table Branch add constraint ah foreign key (BP\_licience) references Beautiparlour (BP\_licience);

alter table Manager add constraint ai foreign key (Branch\_id) references Branch (Branch\_id);

alter table Employee add constraint aj foreign key (Branch\_id) references Branch (Branch\_id);

alter table Appointment add constraint ak foreign key (Branch\_id) references Branch (Branch\_id);

alter table Shop add constraint al foreign key (Branch\_id) references Branch (Branch\_id);

alter table Beautician add constraint am primary key (B\_id, skill);

alter table f1\_k\_many add constraint an primary key (A\_id, C\_id);

alter table f2\_k\_many add constraint ao primary key (A\_id, S\_id);

alter table Shop add constraint ap primary key (Shop\_id, P\_id);

alter table service add constraint aq foreign key (B\_id, skill) references Beautician (B\_id, skill);

alter table Shop\_keeper add constraint ar foreign key (Shop\_id, P\_id) references Shop (Shop\_id, p\_id);

alter table Beautician add constraint au foreign key (M\_id) references Manager (M\_id);

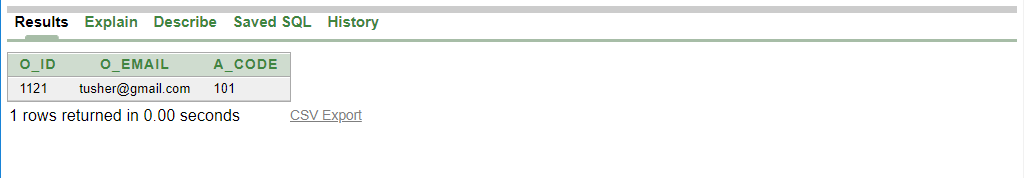
alter table f1\_k\_many add constraint av foreign key (A\_id) references Appointment (A\_id);

alter table f1\_k\_many add constraint aw foreign key (C\_id) references customer (C\_id);

alter table f2\_k\_many add constraint ax foreign key (A\_id) references Appointment (A\_id);

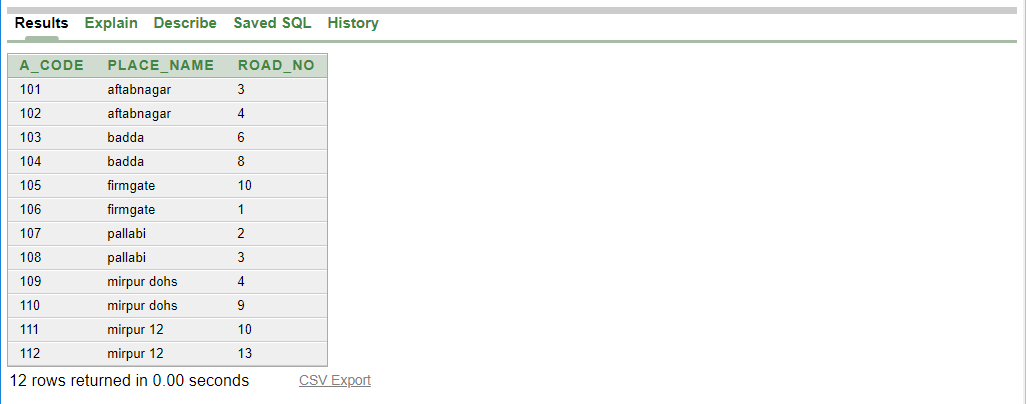
alter table f2\_k\_many add constraint ay foreign key (S\_id) references service (S\_id);

TABLE INSERTION:



**1.Owner:-**

INSERT INTO owner VALUES (1121,'tusher@gmail.com',101);



**2.Address:-**

INSERT INTO address VALUES

(101,'aftabnagar',3);

INSERT INTO address VALUES

(102,'aftabnagar',4);

INSERT INTO address VALUES

(103,'badda',6);

INSERT INTO address VALUES

(104,'badda',8);

INSERT INTO address VALUES

(105,'firmgate',10);

INSERT INTO address VALUES

(106,'firmgate',1);

INSERT INTO address VALUES

(107,'pallabi',2);

INSERT INTO address VALUES

(108,'pallabi',3);

INSERT INTO address VALUES

(109,'mirpur dohs',4);

INSERT INTO address VALUES

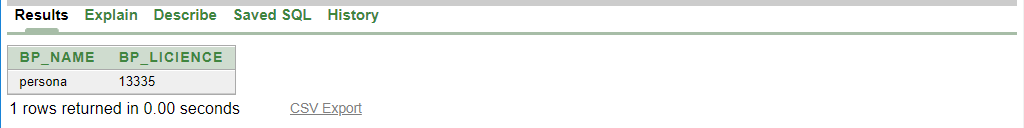
(110,'mirpur dohs',9);

INSERT INTO address VALUES

(111,'mirpur 12',10);

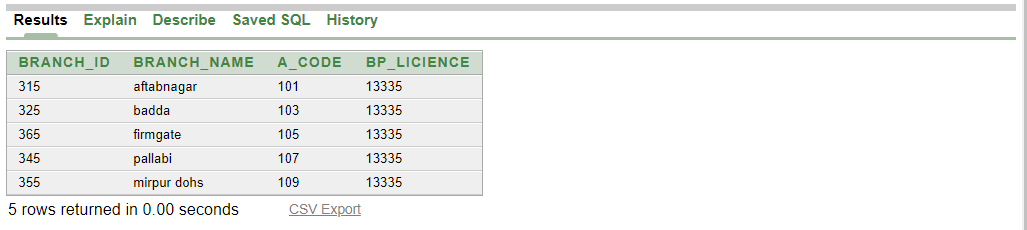
INSERT INTO address VALUES

(112,'mirpur 12',13);



**3.Beutiparlour:-**

INSERT INTO beautiparlour VALUES ('persona',13335);



**4.Branch:-**

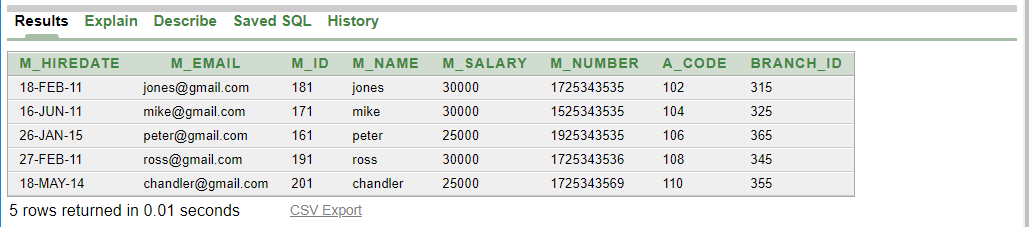
INSERT INTO branch VALUES (315,'aftabnagar',101,13335);

INSERT INTO branch VALUES (325,'badda',103,13335);

INSERT INTO branch VALUES (365,'firmgate',105,13335);

INSERT INTO branch VALUES (345,'pallabi',107,13335);

INSERT INTO branch VALUES (355,'mirpur dohs',109,13335);



**5.Manager:-**

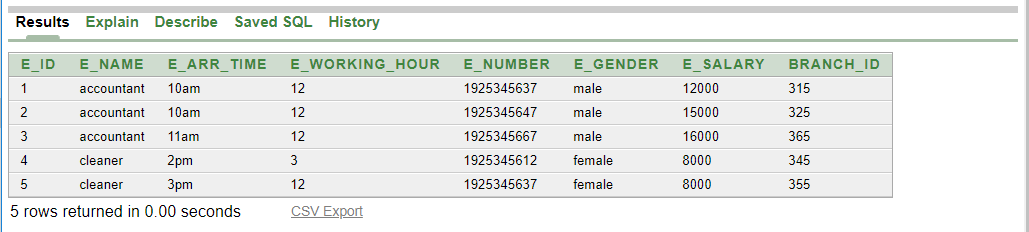
INSERT INTO manager VALUES (to\_date('18-2-2011','dd-mm-yyyy'),'jones@gmail.com',181,'jones',30000,01725343535,102,315);

INSERT INTO manager VALUES (to\_date('16-6-2011','dd-mm-yyyy'),'mike@gmail.com',171,'mike',30000,01525343535,104,325);

INSERT INTO manager VALUES (to\_date('26-01-2015','dd-mm-yyyy'),'peter@gmail.com',161,'peter',25000,01925343535,106,365);

INSERT INTO manager VALUES (to\_date('27-2-2011','dd-mm-yyyy'),'ross@gmail.com',191,'ross',30000,01725343536,108,345);

INSERT INTO manager VALUES (to\_date('18-5-2014','dd-mm-yyyy'),'chandler@gmail.com',201,'chandler',25000,01725343569,110,355);



**6.Employee:-**

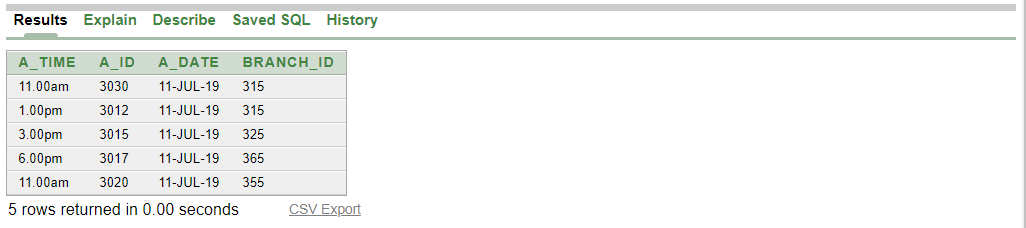
INSERT INTO employee values (01,'accountant','10am',12,01925345637,'male',12000,315);

INSERT INTO employee values (02,'accountant','10am',12,01925345647,'male',15000,325);

INSERT INTO employee values (03,'accountant','11am',12,01925345667,'male',16000,365);

INSERT INTO employee values (04,'cleaner','2pm',3,01925345612,'female',8000,345);

INSERT INTO employee values (05,'cleaner','3pm',12,01925345637,'female',8000,355);

****

**7.Appointment:-**

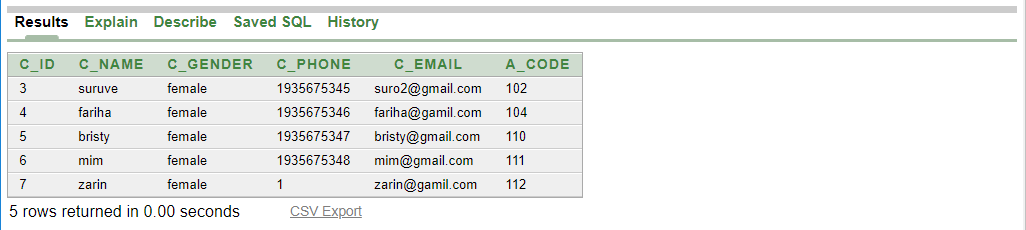
INSERT INTO appointment VALUES ('11.00am',3030,to\_date('11-7-2019','dd-mm-yyyy'),315);

INSERT INTO appointment VALUES ('1.00pm',3012,to\_date('11-7-2019','dd-mm-yyyy'),315);

INSERT INTO appointment VALUES ('3.00pm',3015,to\_date('11-7-2019','dd-mm-yyyy'),325);

INSERT INTO appointment VALUES ('6.00pm',3017,to\_date('11-7-2019','dd-mm-yyyy'),365);

INSERT INTO appointment VALUES ('11.00am',3020,to\_date('11-7-2019','dd-mm-yyyy'),355);



**8.Customer:-**

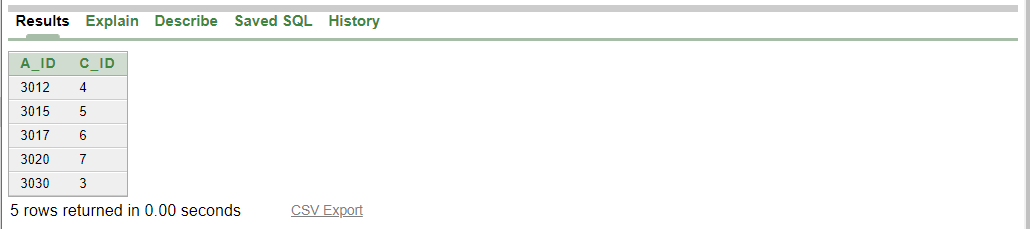
INSERT INTO Customer VALUES (03,'suruve','female',01935675345,'suro2@gmail.com',102);

INSERT INTO Customer VALUES (04,'fariha','female',01935675346,'fariha@gamil.com',104);

INSERT INTO Customer VALUES (05,'bristy','female',01935675347,'bristy@gmail.com',110);

INSERT INTO Customer VALUES (06,'mim','female',01935675348,'mim@gmail.com',111);

INSERT INTO Customer VALUES (07,'zarin','female',01,'zarin@gamil.com',112);

****

**9.f1\_k\_many:-**

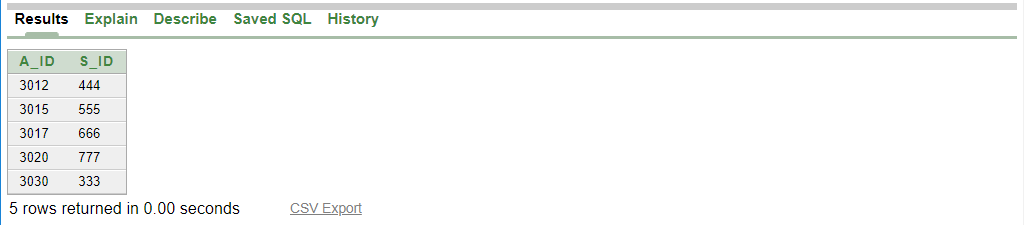
INSERT INTO f1\_k\_many VALUES (3030,03);

INSERT INTO f1\_k\_many VALUES (3012,04);

INSERT INTO f1\_k\_many VALUES (3015,05);

INSERT INTO f1\_k\_many VALUES (3017,06);

INSERT INTO f1\_k\_many VALUES (3020,07);



**10.f2\_k\_many:-**

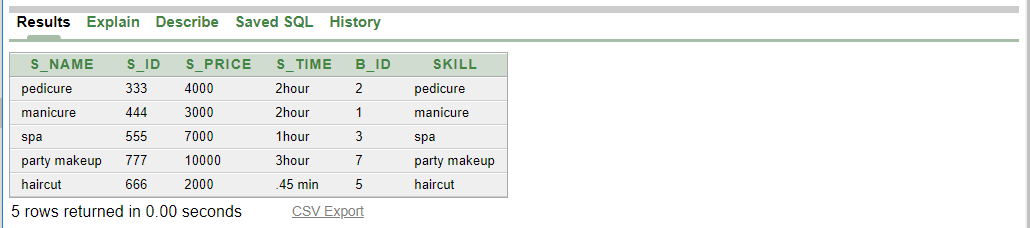
INSERT INTO f2\_k\_many VALUES (3030,333);

INSERT INTO f2\_k\_many VALUES (3012,444);

INSERT INTO f2\_k\_many VALUES (3015,555);

INSERT INTO f2\_k\_many VALUES (3017,666);

INSERT INTO f2\_k\_many VALUES (3020,777);



**11.Service:-**

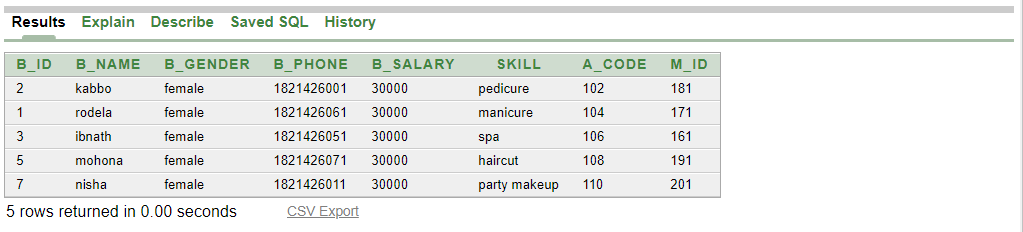
INSERT INTO service VALUES (‘pedicure’,333,4000,’2hour’,2,’pedicure’);

INSERT INTO service VALUES (‘manicure’,444,3000,’2hour’,1,’manicure’);

INSERT INTO service VALUES (‘spa’,555,7000,’1hour’,3,’spa’);

INSERT INTO service VALUES (‘party makeup’,777,10000,’3hour’,7,’party makeup’);

INSERT INTO service VALUES (‘haircut’,666,2000,’45 min’,5,’haircut’);



**12.Beautician:-**

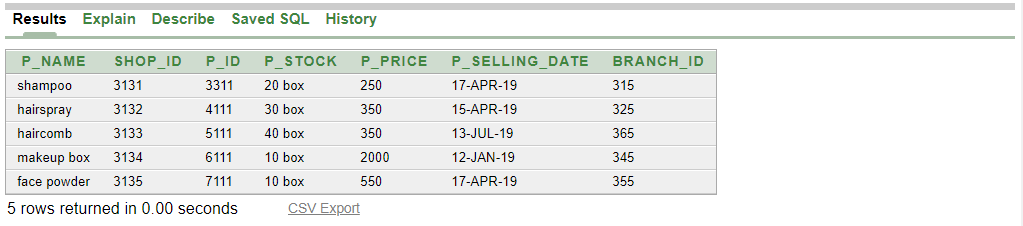
INSERT INTO beautician VALUES (02,'kabbo','female',01821426001,30000,'pedicure',102,181);

INSERT INTO beautician VALUES (01,'rodela','female',01821426061,30000,'manicure',104,171);

INSERT INTO beautician VALUES (03,'ibnath','female',01821426051,30000,'spa',106,161);

INSERT INTO beautician VALUES (05,'mohona','female',01821426071,30000,'haircut',108,191);

INSERT INTO beautician VALUES (07,'nisha','female',01821426011,30000,'party makeup',110,201);



**13. Shop:-**

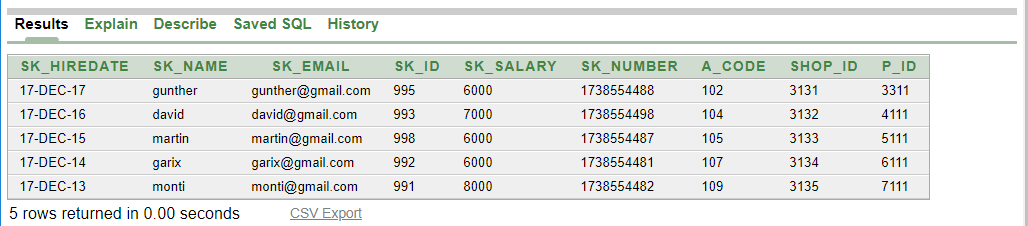
INSERT INTO shop VALUES (‘shampoo’,3131,3311,’250box’, 250,’ to\_date('17-04-2019','dd-mm-yyyy')’,315);

INSERT INTO shop VALUES (‘hairspray’,3132,4111,’250box’, 250,’ to\_date('17-04-2019','dd-mm-yyyy')’,325);

INSERT INTO shop VALUES (‘haircomb’,3133,5111,’250box’, 350,’ to\_date('17-04-2019','dd-mm-yyyy')’,365);

INSERT INTO shop VALUES (‘makeup box’,3134,6111,’250box’, 2000,’ to\_date('17-04-2019','dd-mm-yyyy')’,345);

INSERT INTO shop VALUES (‘face powder’ ,3135,7111,’250box’, 550,’ to\_date('17-04-2019','dd-mm-yyyy')’,355);



**14. Shop\_keeper:-**

INSERT INTO shop\_keeper VALUES (to\_date('17-12-2017','dd-mm-yyyy'),'gunther','gunther@gmail.com',995,6000,01738554488,102,3131,3311);

INSERT INTO shop\_keeper VALUES (to\_date('17-12-2016','dd-mm-yyyy'),'david','david@gmail.com',993,7000,01738554498,104,3132,4111);

INSERT INTO shop\_keeper VALUES (to\_date('17-12-2015','dd-mm-yyyy'),'martin','martin@gmail.com',998,6000,01738554487,105,3133,5111);

INSERT INTO shop\_keeper VALUES (to\_date('17-12-2014','dd-mm-yyyy'),'garix','garix@gmail.com',992,6000,01738554481,107,3134,6111);

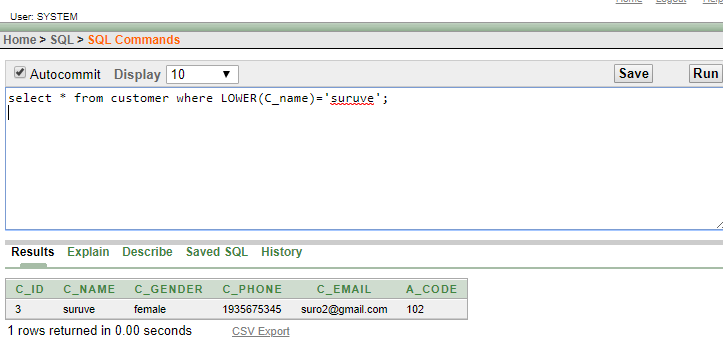
INSERT INTO shop\_keeper VALUES (to\_date('17-12-2013','dd-mm-yyyy'),'monti','monti@gmail.com',991,8000,01738554482,109,3135,7111);

**QUERY WRITING:**

**Single row function :**

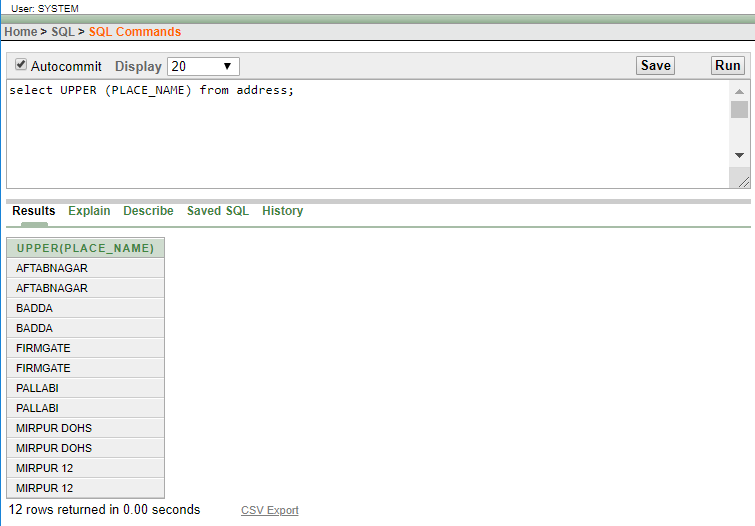
1. **Find the details of the customer whose name is Suruve.**

**Ans: SELECT \* FROM CUSTOMER WHERE LOWER (C\_NAME)='suruve';**

****

1. **Display the place names in upper case .**

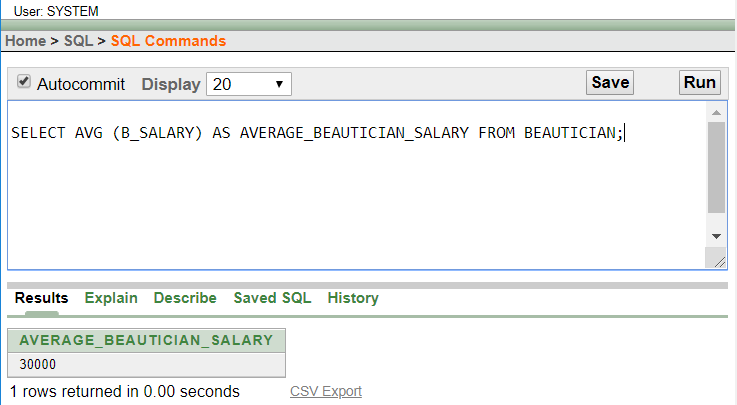
**Ans: select UPPER(PLACE\_NAME) FROM ADDRESS;**

****

**GROUP FUNCTION:**

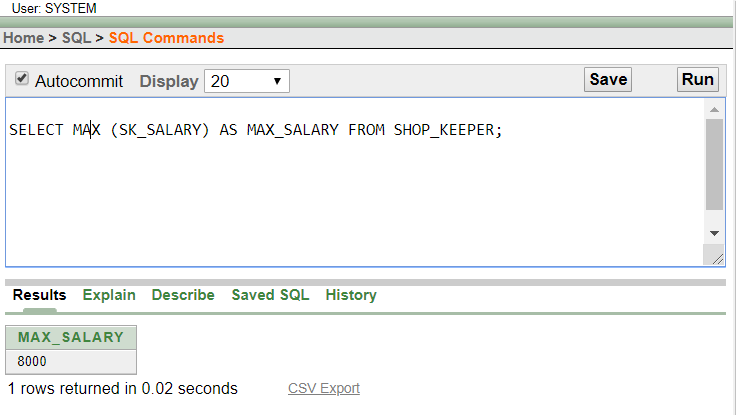
**1.Find the average salary of the beauticians .**

**Ans: SELECT AVG (B\_SALARY) AS AVERAGE\_BEAUTICIAN\_SALARY FROM BEAUTICIAN;**

****

**2.Fnd maximum salary of a shop keeper.**

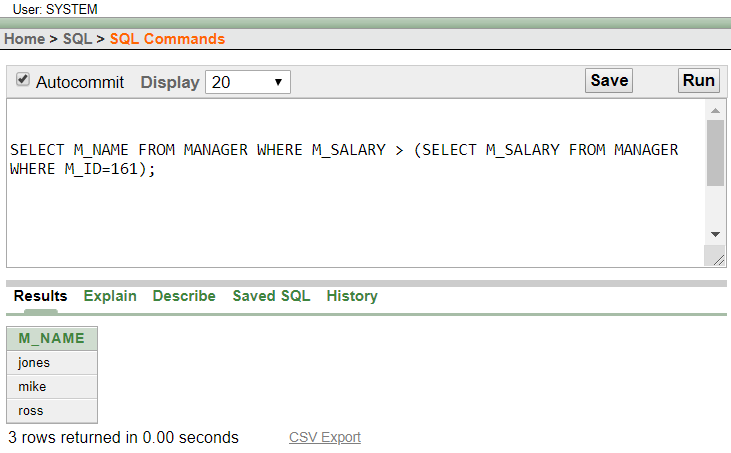
**Ans: SELECT MAX(SK\_SALARY) AS MAX\_SALARY FROM SHOP\_KEEPER;**

****

**SUB QEURY:**

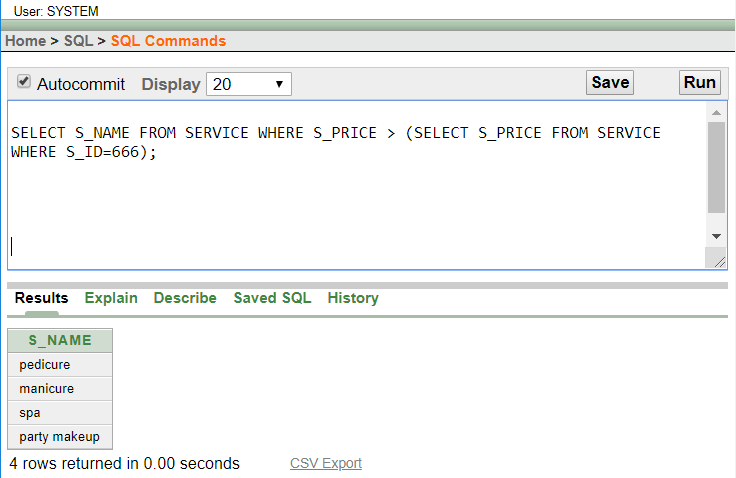
**1.Find the name of managers who get more salary then m\_id=161.**

**Ans: SELECT M\_NAME FROM MANAGER WHERE M\_SALARY > (SELECT M\_SALARY FROM MANAGER WHERE M\_ID=161);**

****

**2.Find the name of services which prices is more then s\_id=666.**

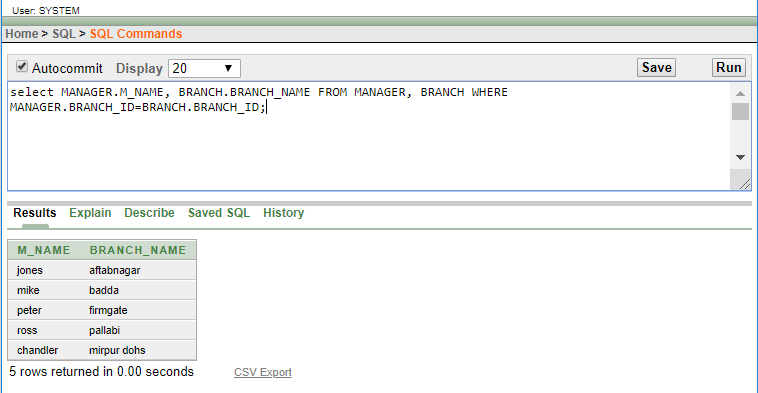
**Ans. SELECT S\_NAME FROM SERVICE WHERE S\_PRICE > (SELECT S\_PRICE FROM SERVICE WHERE S\_ID=666);**

****

**JOINING :**

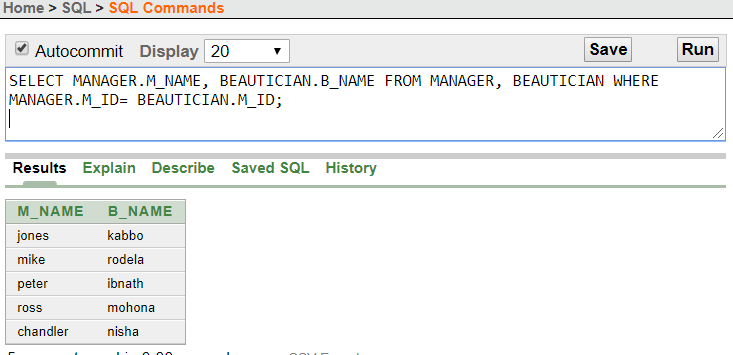
**1.Display the name of branches and its manager name.**

**Ans:** **SELECT MANAGER.M\_NAME, BRANCH.BRANCH\_NAME FROM MANAGER, BRANCH WHERE MANAGER.BRANCH\_ID= BRANCH.BRANCH\_ID;**

****

**2.Display the manager name and his beautician name.**

**Ans: SELECT MANAGER.M\_NAME, BEAUTICIAN.B\_NAME FROM MANAGER, BEAUTICIAN WHERE MANAGER.M\_ID= BEAUTICIAN.M\_ID;**

****

**CONCLUTION:**

**All of our group member worked hard to complete this project. As we had gone through the entire DBMS now we are really confident to create an accurate and giant DBMS for any kind of institute.**