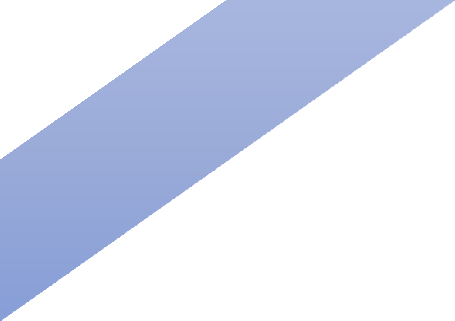
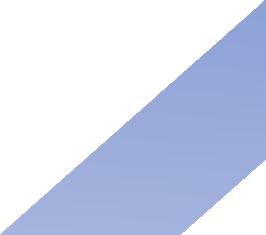
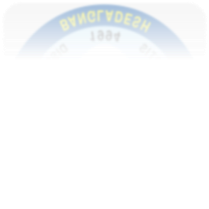


MD. JANNATUL ADON

22-46887-1



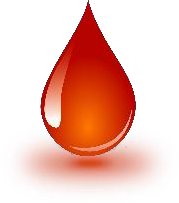
AMERICAN INTERNATIONAL UNIVERSITY BANGLADESH

Faculty of Science and Technology (FST) CSE DEPARTMENT

INTRODUCTION TO DATABASE

Faculty: Argho Das

***BLOOD BANK MANAGEMENT SYSTEM***



DONATE BLOOD SAVE LIFE



***GROUP MEMBERS***



FARDIN-AL-SEZAN

22-46868-1



REMON KUMAR

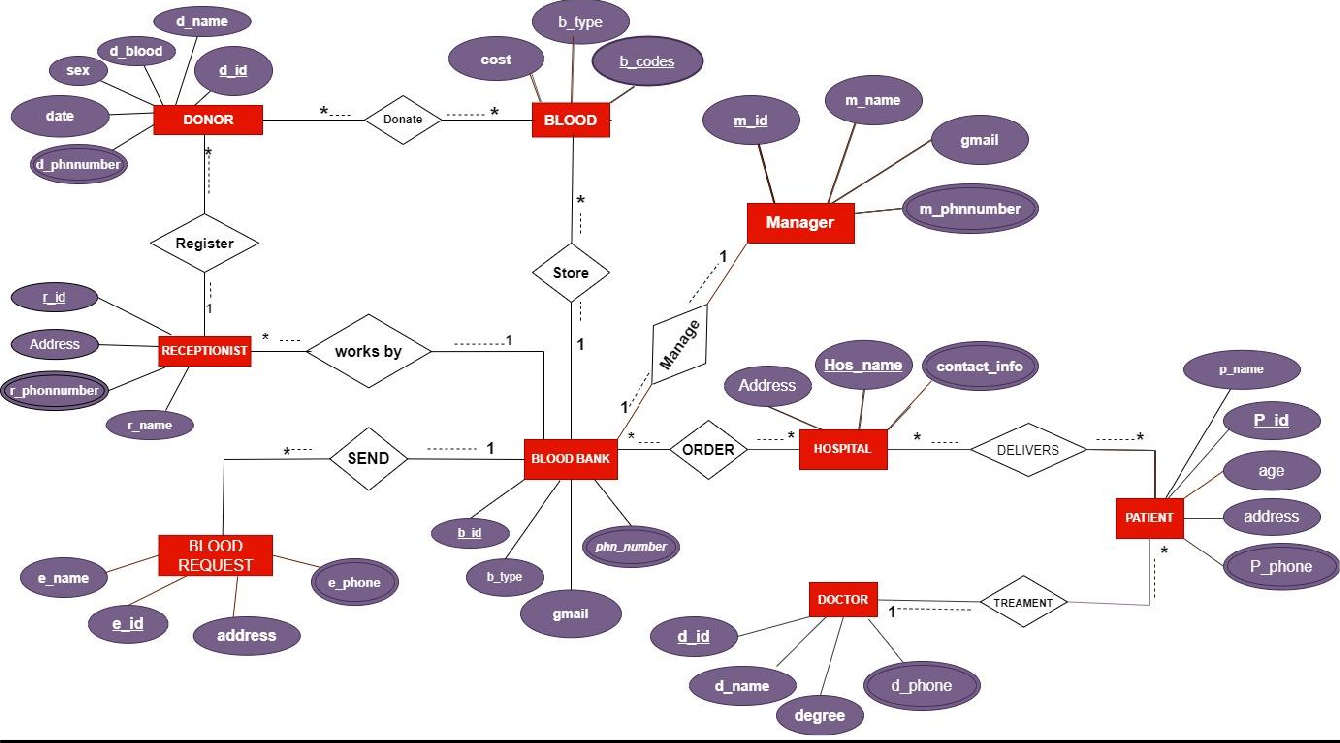
22-46957-1

MD. MEHEDI HASAN 22-46322-1



Blood is an important factor that is very essential in the life of very organism living on this earth. Without blood there cannot be any existence of even a small organism on this earth. Humans can’t live without blood. Without blood, the body’s organ couldn’t get the oxygen and nutrients they need to survive. Patients will come to the doctor for treatment. The patient has own p\_id, p\_name, age, address, p\_phone. Patient will take treatment from doctor on the other hand the doctor has also an own d\_id, d\_name, degree, d\_phonnumber. Hospital has also addresses, Hos\_name, contact\_info. The hospital’s doctor suggests the patient needs blood then hospital order by blood bank. ‘Blood bank Management System’ automates the distribution of blood. The banks then group the blood which they receive according to the blood groups. This database consists of thousands of records of each blood bank. Blood bank has a b\_id, b\_type, phn\_number and gmail. Generally, we know that the people who donate blood are called ‘Blood Donor’ so some people donate blood in this blood bank. Donor donates blood through different cost, b\_type, b\_codes. Donors send blood request in blood bank. Blood request has also e\_name,e\_id, addresses, e\_phone. Blood will store in blood bank. Receptionists work in the blood bank. Donor will register with receptionist. Every receptionist has their own r\_id, r\_name, address, r\_phnnumber. Receptionists will register with the blood donor through their d\_code, dates and d\_blood , sex, d\_name,d\_phonnumber. Blood banks manages by manager. The manager has also m\_name, m\_id, m\_phnnumber and g-mail. At last, Hospital will deliver blood to the patient. That’s safe life. So, well management system is first preferred for a Blood bank.







**Treatment**

## UNF:

1st: P-id , p\_name ,address, age, p\_phone, d-id, d\_name, degree,d\_phone.

## 1NF:

1st: p-phone , d-phone ,P-id , p\_name ,address, age, d-id, d\_name, degree. (p\_phone ,d\_phone is multipul attributes)

## 2NF

1st: P-id ,p\_name, address, age, p\_phncode . 2rd: d-id, d\_name, degree, d\_phncode.

3rd: : P-id, d\_id.

4th: : p-phone ,p\_phncode, d\_phone, d\_phncode,

## 3NF:

1st: P-id ,p\_name, address, age, p\_phncode . 2rd: d-id, d\_name, degree,d\_phncode.

3rd: : P-id, d\_id.

4th: : p-phone ,p\_phncode, d\_phone, d\_phncode,

## DELIVERS :

**UNF:**

1st:P-id , p\_name ,address, age, p\_phone, Hos-name ,contact\_info,Address.

## 1NF:

1st: p-phone , ,P-id , p\_name ,address, age , Hos-name ,contact\_info,Address.

(p\_phone ,d\_phone is multipul attributes)

## 2NF:

1st: P-id ,p\_name, address, age, p\_phncode . 2nd: Hos-name ,contact\_info,Address.

3rd: P-id , Hos\_name.

4th: p-phone ,p\_phncode.

## 3NF:

1st: P-id ,p\_name, address, age, p\_phncode . 2nd: Hos-name ,contact\_info,Address.

3rd: P-id , Hos\_name.

4th: p-phone ,p\_phncode.

## ORDER:

**UNF:**

1st: Hos-name ,contact\_info,Address , phn\_number,b-id, b\_type,gmail.

## 1NF:

1st: phn-number , Hos-name ,contact\_info,Address ,b-id, b\_type,gmail. (phn-number is multipul attributes)

## 2NF:

1st: Hos-name ,contact\_info,Address. 2nd: b-id ,phn\_code, b\_type, gmail.

3rd: b-id ,Hos\_name.

4th: phn-number , phn\_code.

## 3NF:

1st: Hos-name ,contact\_info,Address. 2nd: b-id ,phn\_code, b\_type, gmail.

3rd: b-id ,Hos\_name.

4th: phn-number , phn\_code.

## MANAGE :

**UNF:**

1st: b-id, phn\_number ,b\_type, gmail, m-id, m\_name, m\_phnnumber,gmail .

## 1NF:

1st: m-phnnumber, phn-number b-id, b\_type, gmail, m-id, m\_name, ,gmail ( m\_phnnumber,phn\_number is multipul attributes).

## 2NF:

1st: b-id, phn\_code ,b\_type, gmail.

2nd: m-id, m\_name, m\_phncode,gmail . 3rd: b-id, m\_id.

4th: phn-number , phn\_code ,m\_phnnumber, m\_phncode.

## 3NF:

1st: b-id, phn\_code ,b\_type, gmail.

2nd: m-id, m\_name, m\_phncode,gmail . 3rd: b-id, m\_id.

4th: phn-number , phn\_code ,m\_phnnumber, m\_phncode.

## STORE :

**UNF:**

1st: b-id, phn\_number ,b\_type, gmail, b-code , b\_type, cost.

## 1NF:

1st: phn-number , b-id ,b\_type, gmail, b-code , b\_type, cost. (phn\_number is multipul attributes).

## 2NF:

1st: b-id, phn\_code ,b\_type, gmail. 2nd: b-code , b\_type, cost.

3rd: b-id, b\_code.

4th: phn-number ,phn\_code.

## 3NF:

1st: b-id, phn\_code ,b\_type, gmail. 2nd: b-code , b\_type, cost.

3rd: b-id, b\_code.

4th: phn-number ,phn\_code.

## DONATE :

**UNF:**

1st: d-id,d\_name, d\_phnnumber ,date,sex,d\_blood, b-code , b\_type, cost.

## 1NF:

1st: d-phnnumber, d-id,d\_name,date,sex,d\_blood, b-code , b\_type, cost.. (d\_phnnumber is multipul attributes).

## 2NF:

1st: d-id,d\_name, d\_phncode ,date,sex,d\_blood. 2nd: b-code , b\_type, cost.

3rd: d-id, b\_code.

4th: d-phnnumber, d\_phncode.

## 3NF:

1st: d-id,d\_name, d\_phncode ,date,sex,d\_blood. 2nd: b-code , b\_type, cost.

3rd: d-id, b\_code.

4th: d-phnnumber, d\_phncode.

## REGISTER :

**UNF:**

1st: d-id,d\_name, d\_phnnumber ,date,sex,d\_blood, r-id , r\_name , Address,r\_phonnumber. 1NF:

1st: d-phnnumber , r-phonnumber, d-id,d\_name,date,sex,d\_blood, r-id , r\_name , Address. (d\_phnnumber, r\_phnnumber is multipul attributes).

## 2NF:

1st: d-id,d\_name, d\_phncode ,date,sex,d\_blood. 2nd: r-id , r\_name , Address,r\_phncode.

3rd: d-id, r\_id.

4th: d-phnnumber , d\_phncode, r\_phnnumber, p\_phncode.

## 3NF:

1st: d-id,d\_name, d\_phncode ,date,sex,d\_blood. 2nd: r-id , r\_name , Address,r\_phncode.

3rd: d-id, r\_id.

4th: d-phnnumber , d\_phncode, r\_phnnumber, p\_phncode.

## WORKBY :

**UNF:**

1st: r-id , r\_name , Address,r\_phonnumber , b-id , b\_type , phn\_number , gmail.

## 1NF:

1st: r-phonnumber , phn-number, r-id , r\_name , Address, b-id , b\_type, gmail. ( r\_phnnumber,phn\_number is multipul attributes).

## 2NF:

1st: r-id , r\_name , Address,r\_phncode. 2nd: b-id , b\_type , phn\_code , gmail. 3rd: b-id ,r\_id.

4th: r-phonnumber, r\_phncode ,phn\_number, phn\_code.

## 3NF:

1st: r-id , r\_name , Address,r\_phncode. 2nd: b-id , b\_type , phn\_code , gmail. 3rd: b-id ,r\_id.

4th: r-phonnumber, r\_phncode ,phn\_number, phn\_code.

## SEND :

**UNF:**

1st: b-id , b\_type , phn\_number , gmail ,e-id ,e\_name ,address,e\_phone.

## 1NF:

1st: phn-number , e-phone, b-id , b\_type , gmail ,e-id ,e\_name ,address. ( phn\_number , e\_phone is multipul attributes).

## 2NF:

1st: b-id , b\_type , phn\_code , gmail. 2nd: e-id ,e\_name ,address,e\_phncode. 3rd: b-id , e\_id.

4th: phn-number , phn\_code, e\_phone, e\_phncode.

## 3NF:

1st: b-id , b\_type , phn\_code , gmail. 2nd: e-id ,e\_name ,address,e\_phncode. 3rd: b-id , e\_id.

4th: phn-number , phn\_code, e\_phone, e\_phncode.

FINAL TABLE

1st: P-id ,p\_name, address, age, p\_phncode, d\_id - **PATIENT**

2rd: d-id, d\_name, degree, d\_phncode. - **DOCTOR**

3rd: p-phncode ,p\_phone. **– PATIENT\_INFO**

4th:d-phncode, d\_phone. **– DOCTOR \_INFO**

5th: Hos-name ,contact\_info,Address **– HOSPITAL**

6th: P-id , Hos\_name- **HOSPITAL\_1**

7th: b-id ,phn\_code, b\_type, gmail- **BLOOD\_BANK**

8th: b-id ,Hos\_name- **BLOOD\_BANK\_1**

9th: phn-code , phn\_number. - **BLOOD\_INFO**

10th: b-id, phn\_code ,b\_type, gmail,m\_id.- **BLOOD\_BANK\_2**

11th: m-id, m\_name, m\_phncode, gmail -**MANAGER** 12th: m-phncode ,m\_phnnumber -**MANAGER\_INFO.**

13th: b-id, phn\_code ,b\_type, gmail, b-code .- **BLOOD\_BANK\_3**

14th: b-code , b\_type, cost -**BLOOD**

15th: d-id,d\_name, d\_phncode ,date,sex,d\_blood – **DONOR**

16th: d-id, b\_code. - **DONOR\_1**

17th: d-phncode ,d\_phnnumber – **DONOR\_INFO**

18th d-id,d\_name, d\_phncode ,date,sex,d\_blood, r\_id - **DONOR\_2**

19th: r-id , r\_name , Address,r\_phncode - **RECEPTIONIST**

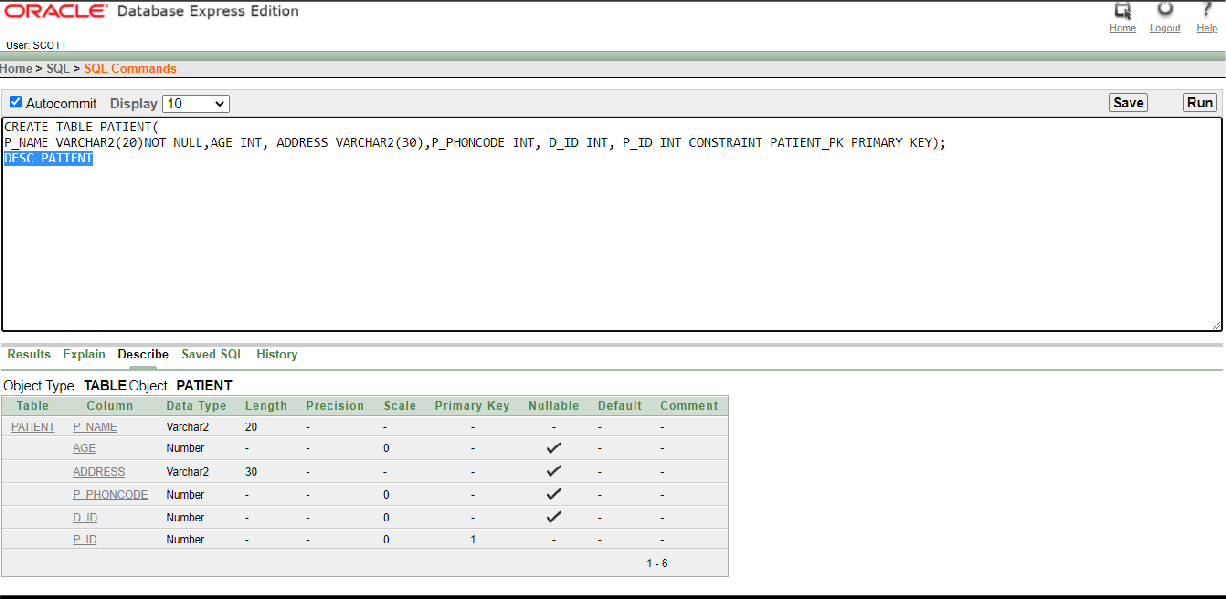
20th: r-phncode ,r\_phnnumber- **RECEPTIONIST\_INFO**

21st: r-id , r\_name , Address,r\_phncode,b\_id -**RECEPTIONIST\_2** 22th: e-id ,e\_name ,address,e\_phncode, b\_id.- **BLOOD\_REQUEST** 23th: e\_phncode,e\_phone.**-EMPLOYE\_INFO**



## Table 1: PATIENT

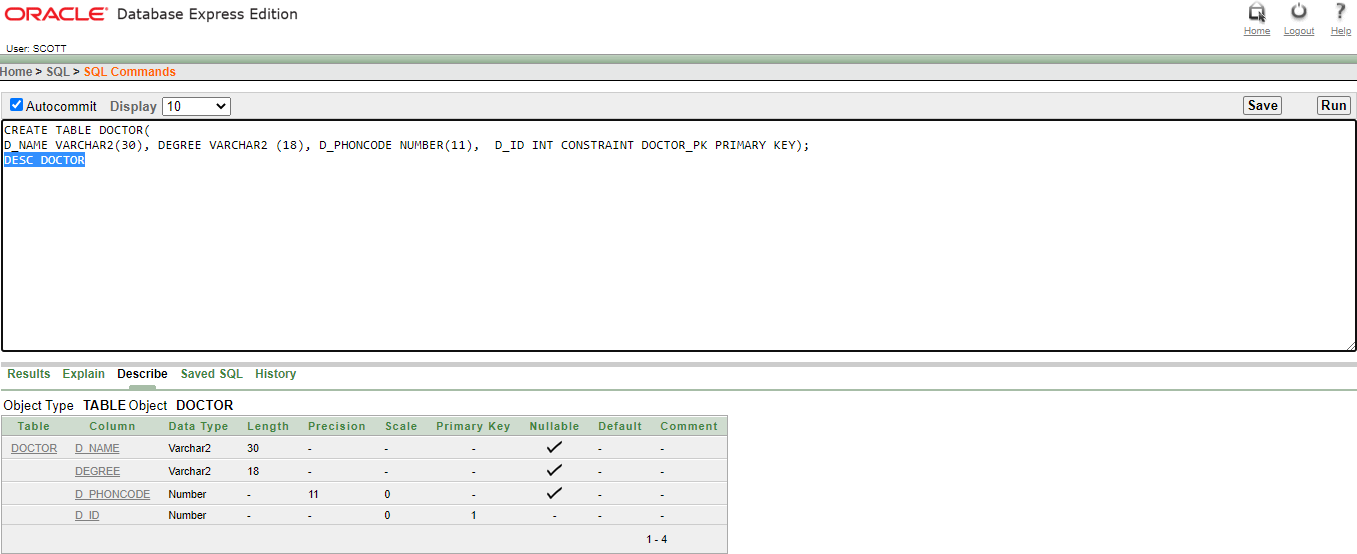
CREATE TABLE PATIENT (P\_NAME VARCHAR2(20)NOT NULL,AGE INT, ADDRESS VARCHAR2(30),P\_PHONCODE INT, D\_ID, P\_ID, INT CONSTRAINT PATIENT\_PK PRIMARY KEY);



## TABLE 2: DOCTOR

CREATE TABLE DOCTOR(

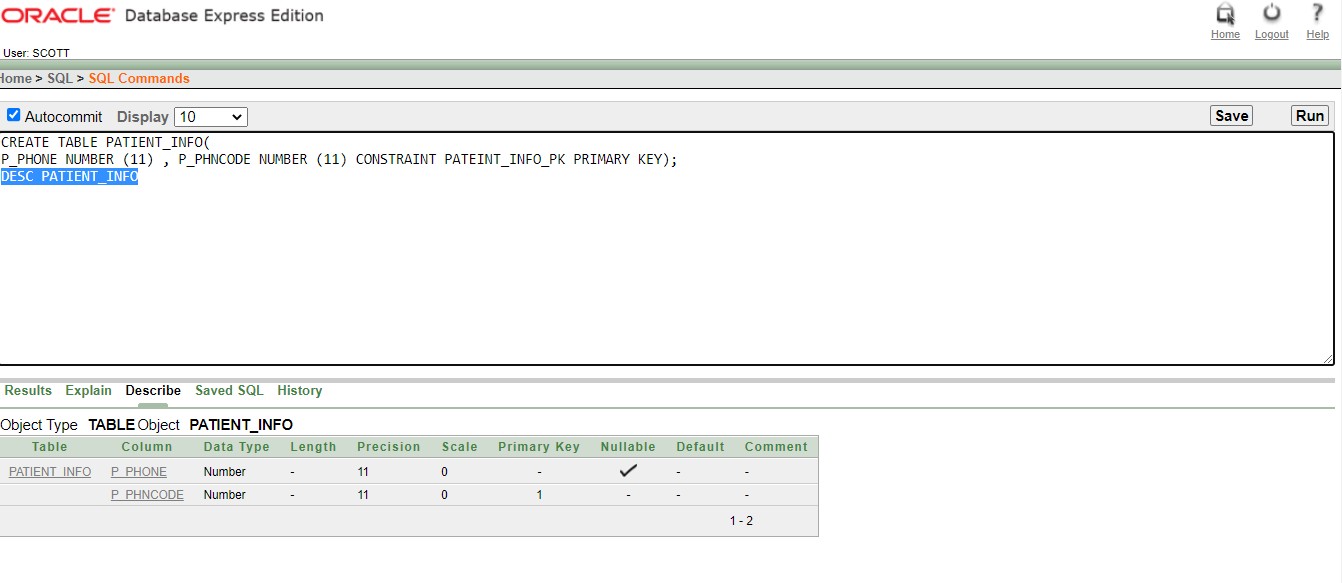
D\_NAME VARCHAR2(30), DEGREE VARCHAR2 (18), D\_PHONCODE NUMBER(11), D\_ID INT CONSTRAINT DOCTOR\_PK PRIMARY KEY);



## TABLE 3: PATIENT\_INFO

CREATE TABLE PATIENT\_INFO(

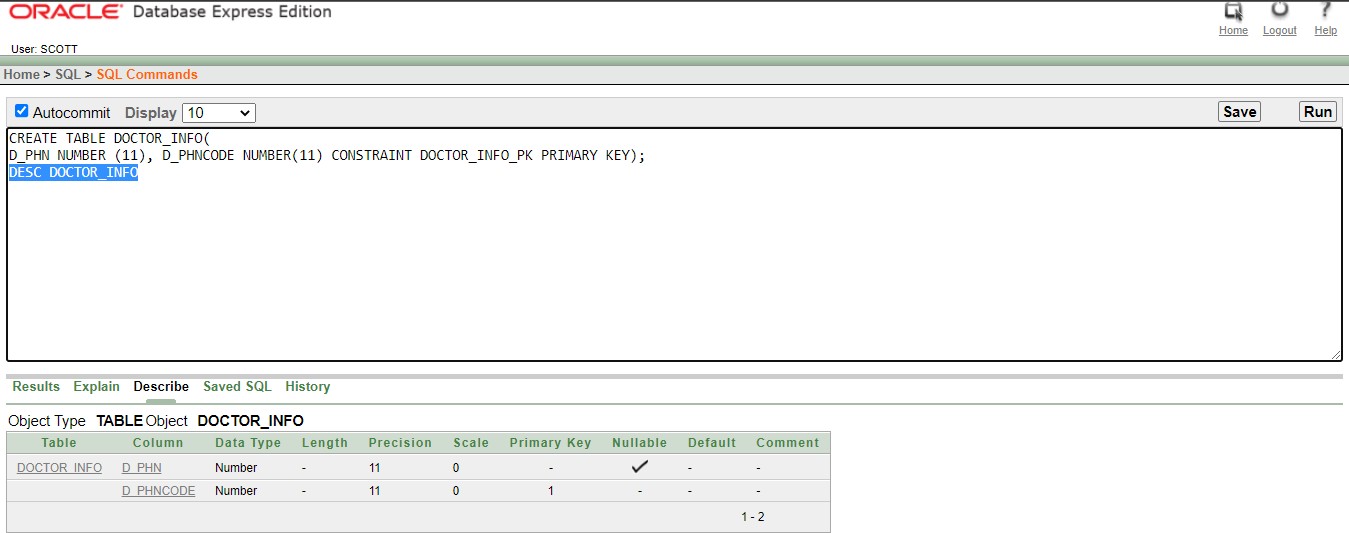
P\_PHONE NUMBER (11) , P\_PHNCODE NUMBER (11) CONSTRAINT PATEINT\_INFO\_PK PRIMARY KEY);



## TABLE 4: DOCTOR\_INFO

CREATE TABLE DOCTOR\_INFO(

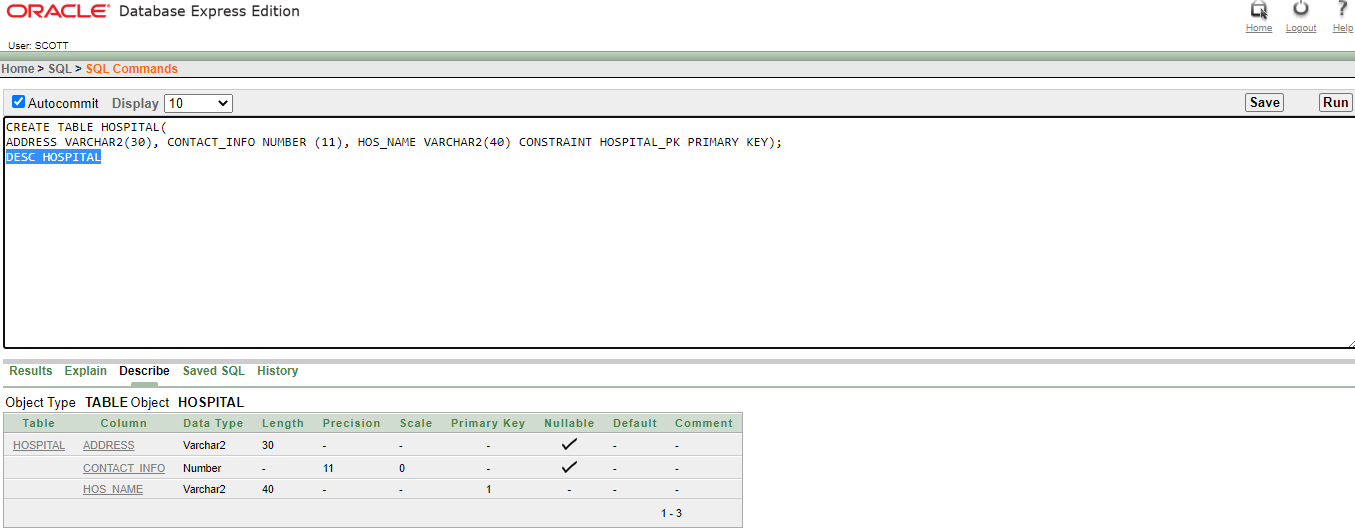
D\_PHN NUMBER (11), D\_PHNCODE NUMBER(11) CONSTRAINT DOCTOR\_INFO\_PK PRIMARY KEY);



## TABLE 5: HOSPITAL

CREATE TABLE HOSPITAL(

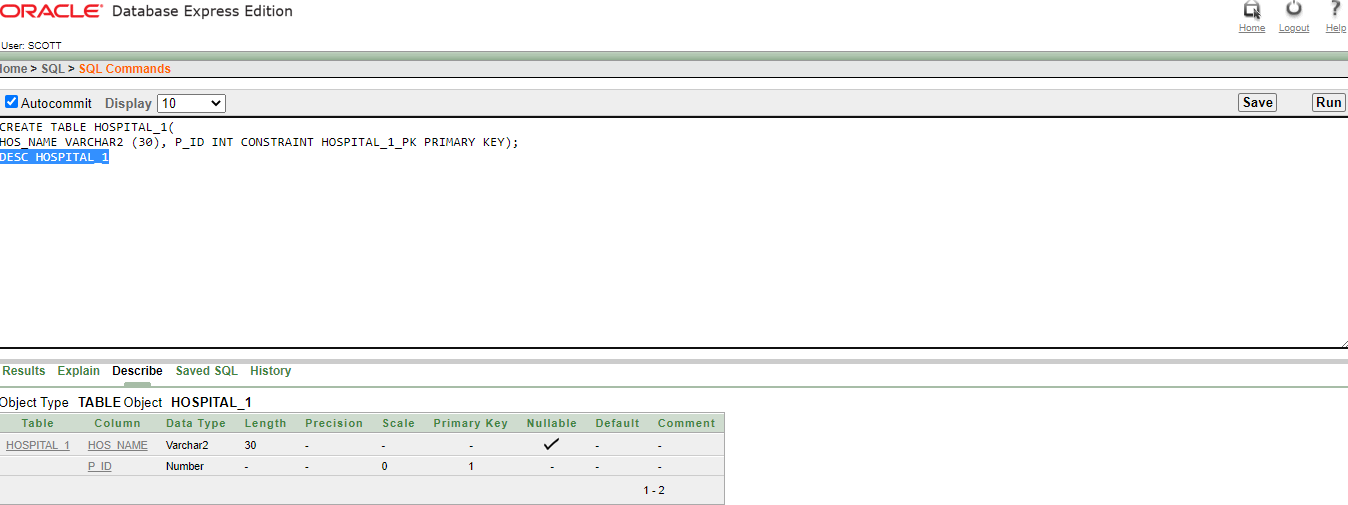
ADDRESS VARCHAR2(30), CONTACT\_INFO NUMBER (11), HOS\_NAME VARCHAR2(40) CONSTRAINT HOSPITAL\_PK PRIMARY KEY);



**TABLE 6: HOSPITAL\_1**

CREATE TABLE HOSPITAL\_1(

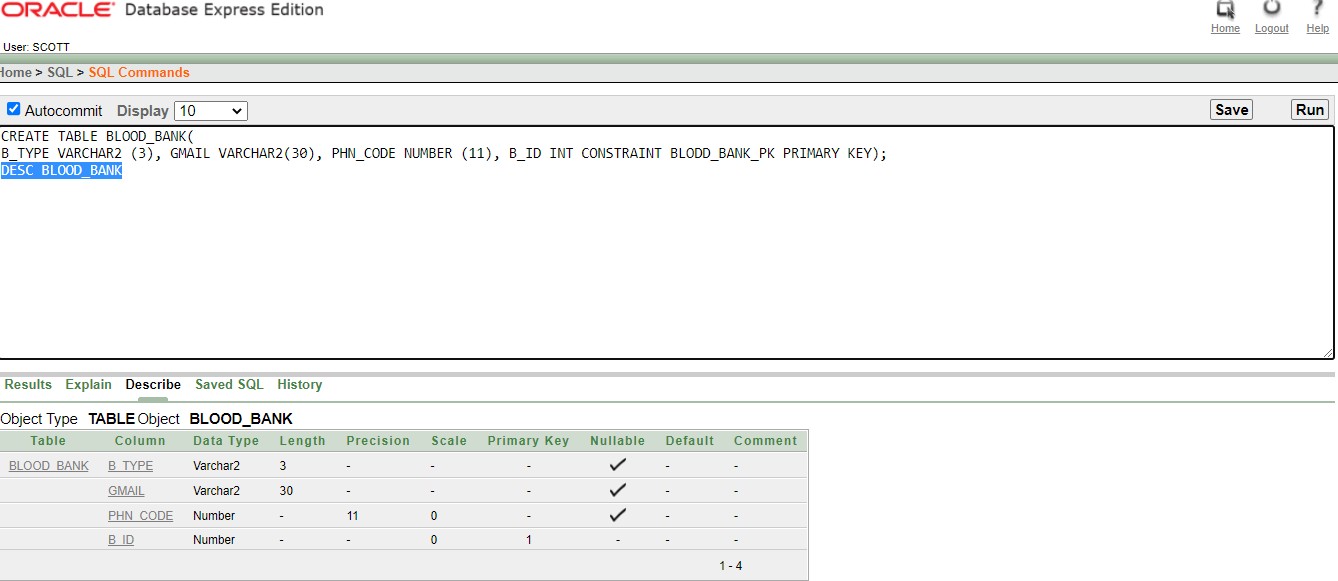
HOS\_NAME VARCHAR2 (30), P\_ID INT CONSTRAINT HOSPITAL\_1\_PK PRIMARY KEY);



**TABLE 7: BLOOD\_BANK**

CREATE TABLE BLOOD\_BANK(

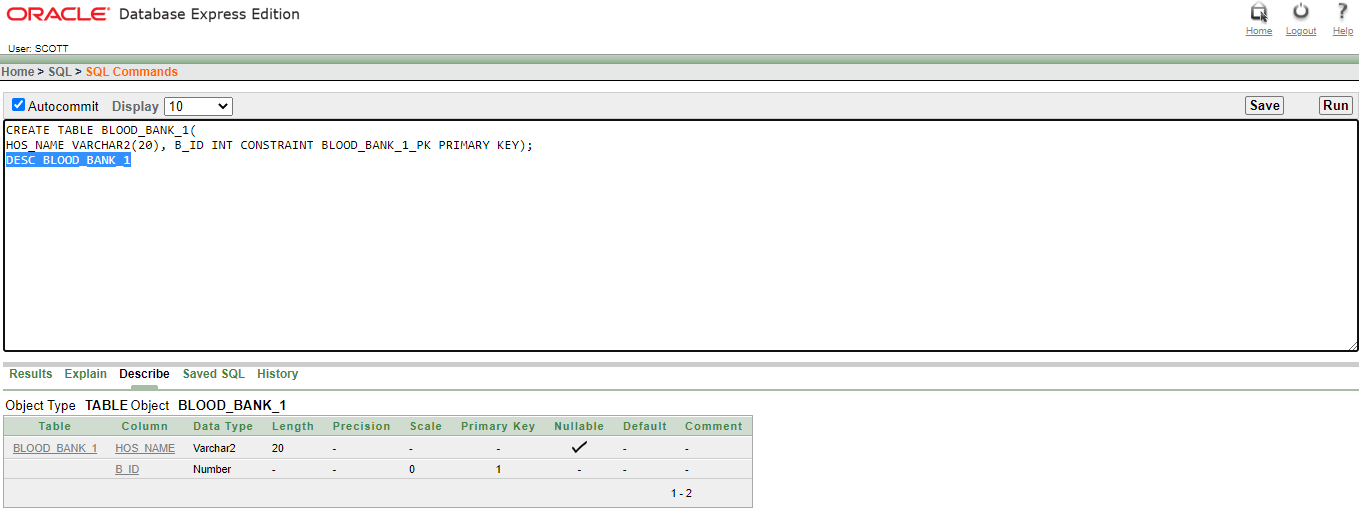
B\_TYPE VARCHAR2 (3), GMAIL VARCHAR2(30), PHN\_CODE NUMBER (11), B\_ID INT CONSTRAINT BLODD\_BANK\_PK PRIMARY KEY);



**TABLE 8: BLOOD\_BANK\_1**

CREATE TABLE BLOOD\_BANK\_1(

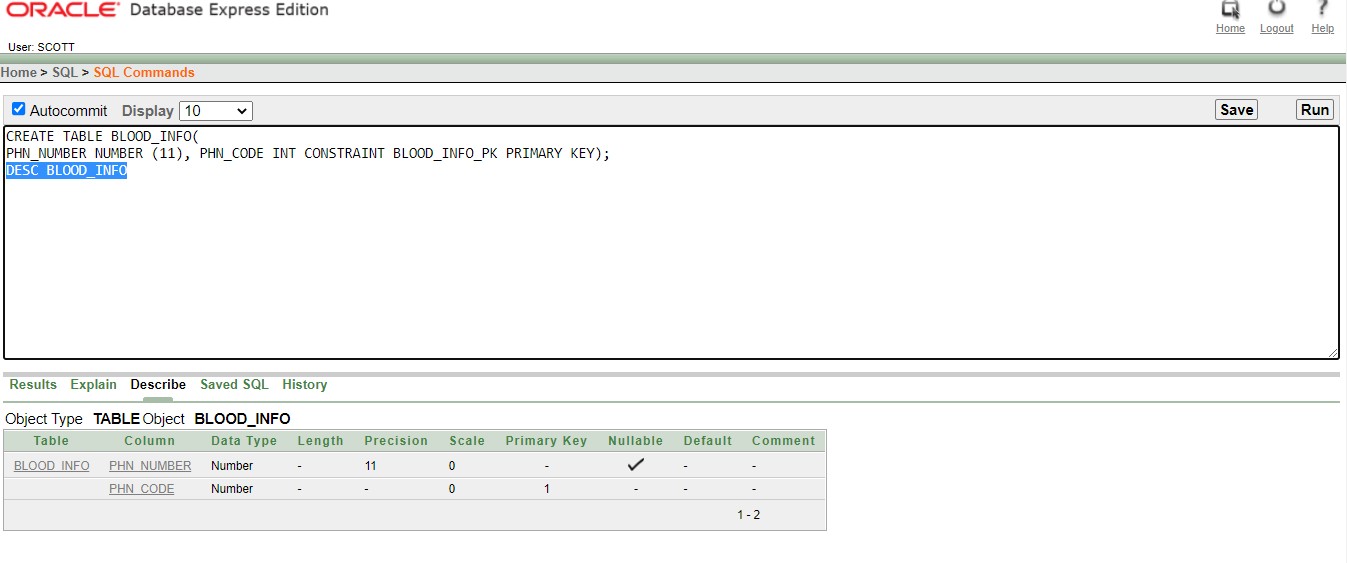
HOS\_NAME VARCHAR2(20), B\_ID INT CONSTRAINT BLOOD\_BANK\_1\_PK PRIMARY KEY);



**TABLE 9: BLOOD\_INFO**

CREATE TABLE BLOOD\_INFO(

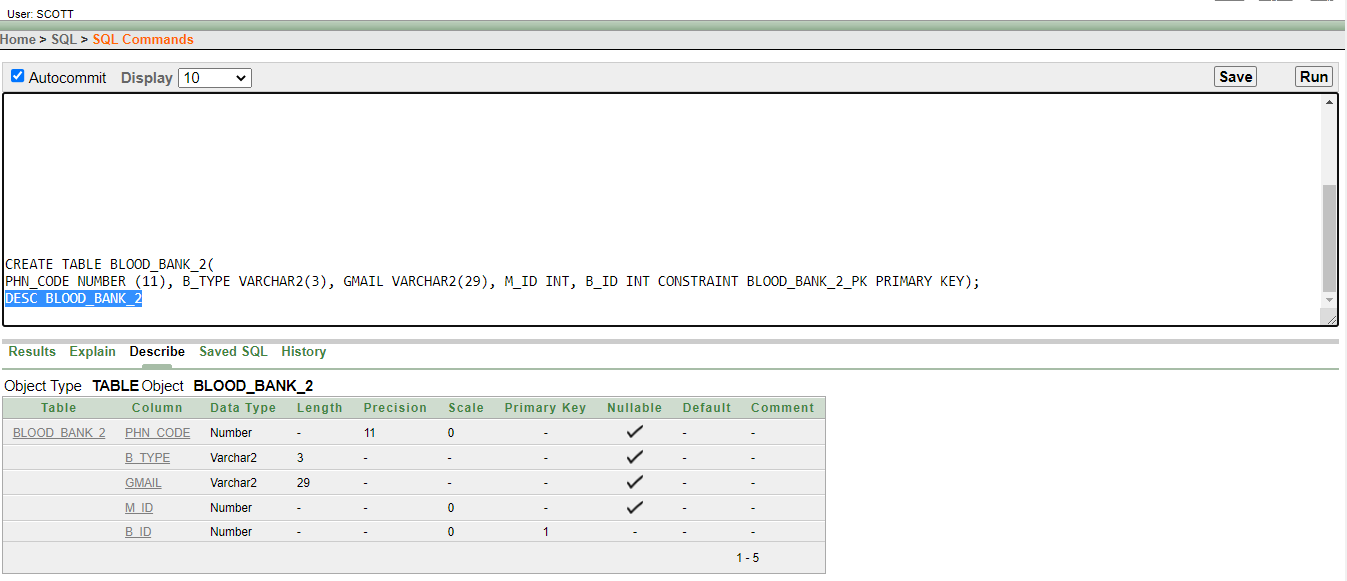
PHN\_NUMBER NUMBER (11) , PHN\_CODE INT CONSTRAINT BLOOD\_INFO\_PK PRIMARY KEY);



**TABLE 10: BLOOD\_BANK\_2**

CREATE TABLE BLOOD\_BANK\_2(

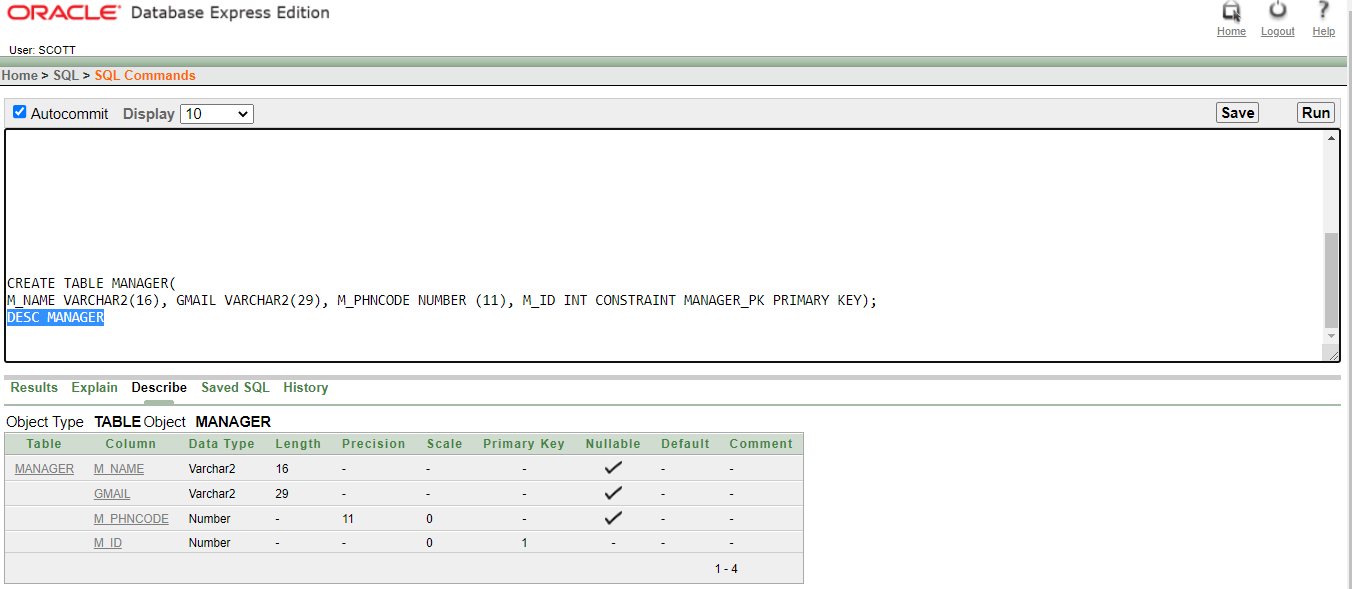
PHN\_CODE NUMBER (11), B\_TYPE VARCHAR2(3), GMAIL VARCHAR2(29), M\_ID INT, B\_ID INT CONSTRAINT BLOOD\_BANK\_2\_PK PRIMARY KEY);



**TABLE 11: MANAGER**

CREATE TABLE MANAGER(

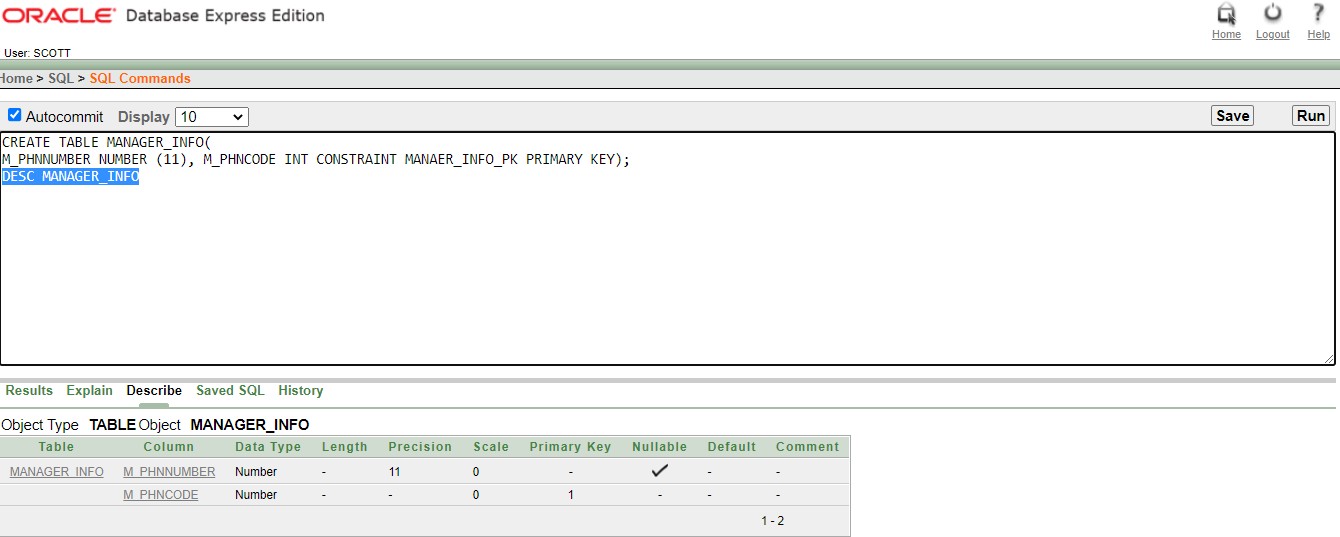
M\_NAME VARCHAR2(16), GMAIL VARCHAR2(29), M\_PHNCODE NUMBER (11), M\_ID INT CONSTRAINT MANAGER\_PK PRIMARY KEY);



## TABLE 12: MANAGER\_INFO

CREATE TABLE MANAGER\_INFO(

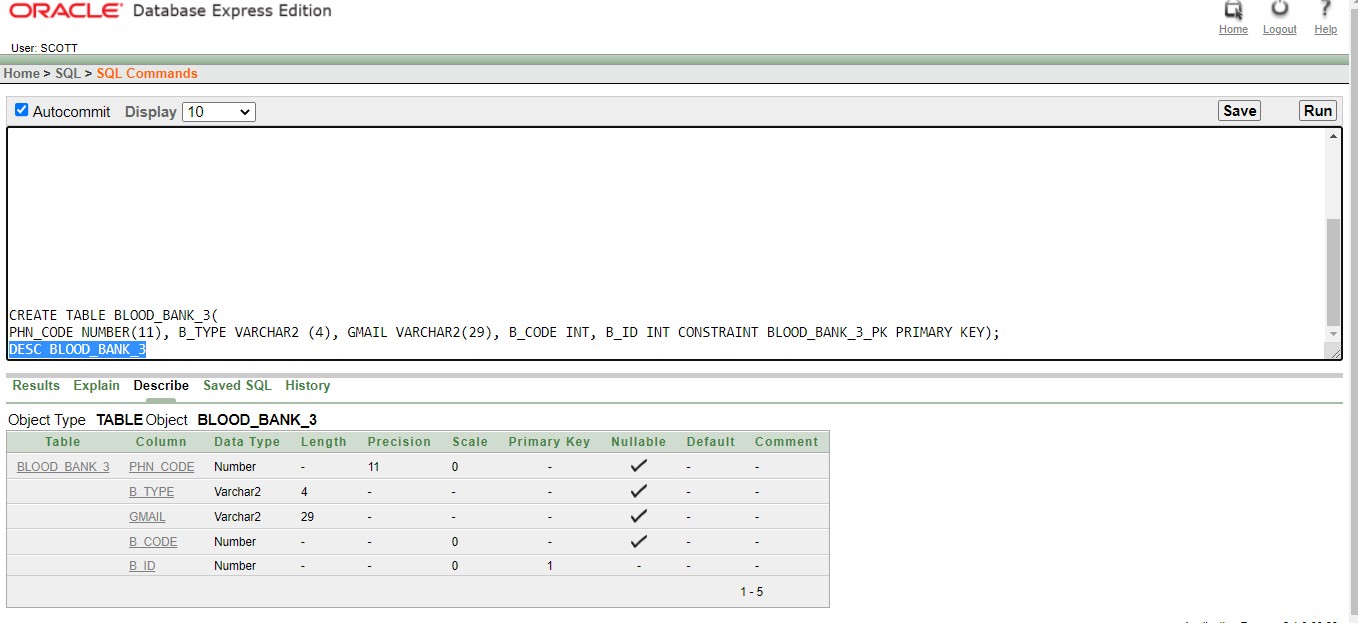
M\_PHNNUMBER NUMBER (11), M\_PHNCODE INT CONSTRAINT MANAGER\_INFO\_PK PRIMARY KEY);



## TABLE 13: BLOOD\_BANK\_3

CREATE TABLE BLOOD\_BANK\_3(

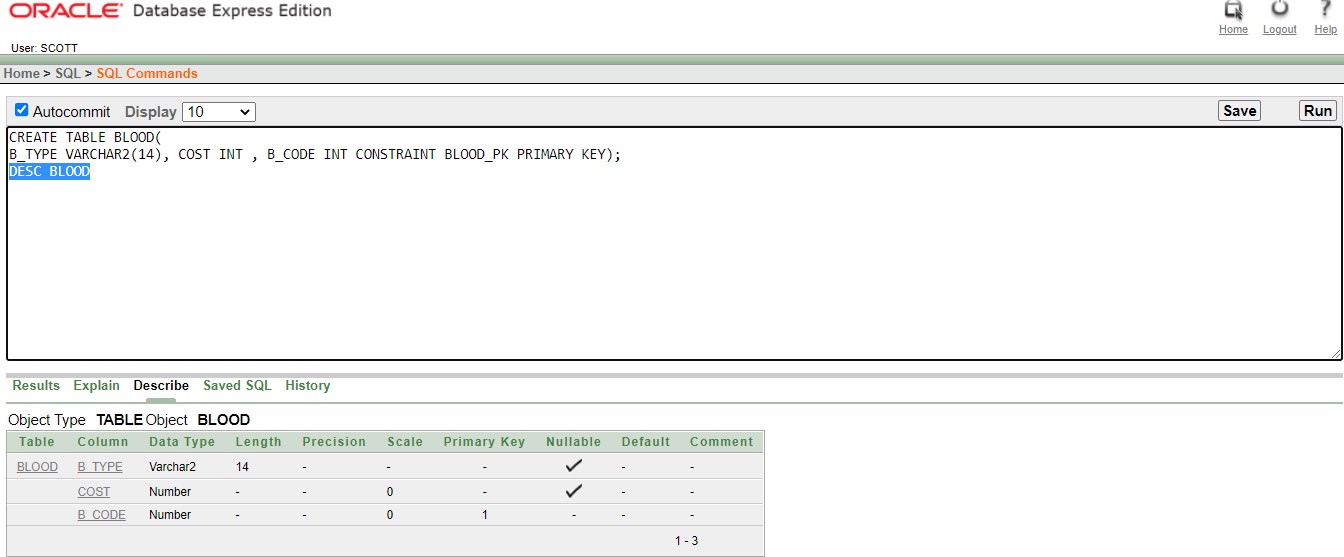
PHN\_CODE NUMBER(11), B\_TYPE VARCHAR2 (4), GMAIL VARCHAR2(29), B\_CODE INT, B\_ID INT CONSTRAINT BLOOD\_BANK\_3\_PK PRIMARY KEY);



## TABLE 14: BLOOD

CREATE TABLE BLOOD(

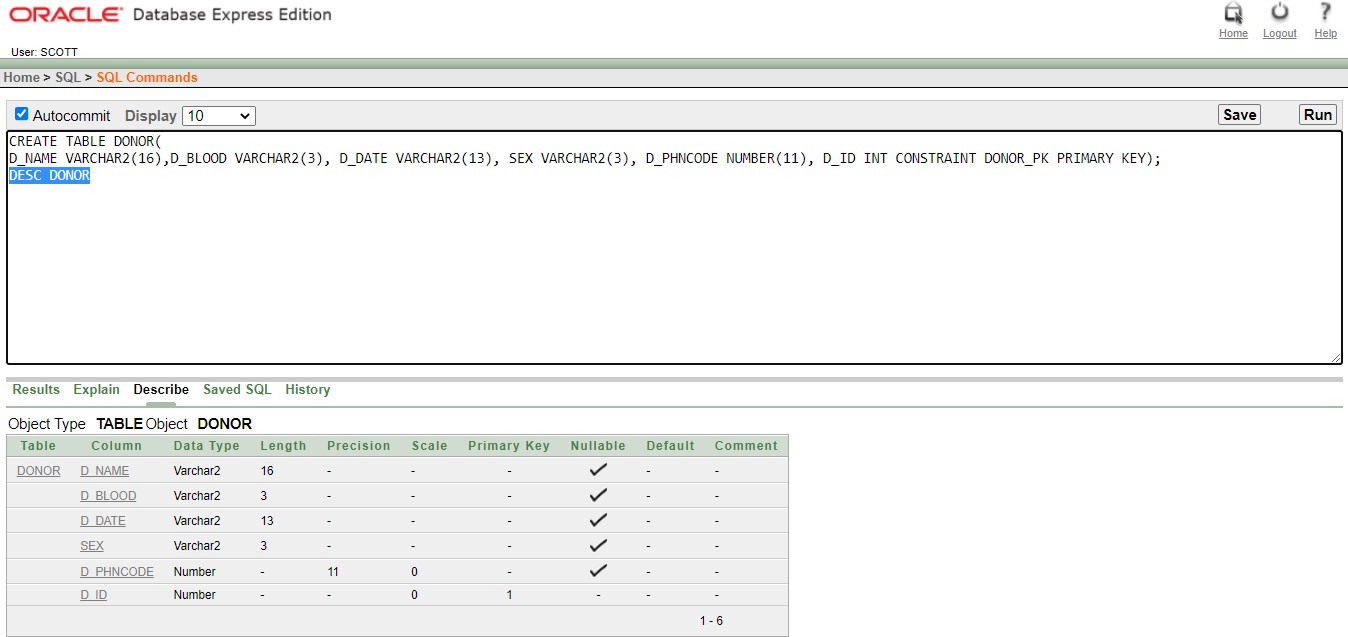
B\_TYPE VARCHAR2(14), COST INT , B\_CODE INT CONSTRAINT BLOOD\_PK PRIMARY KEY);



## TABLE 15: DONOR

CREATE TABLE DONOR(

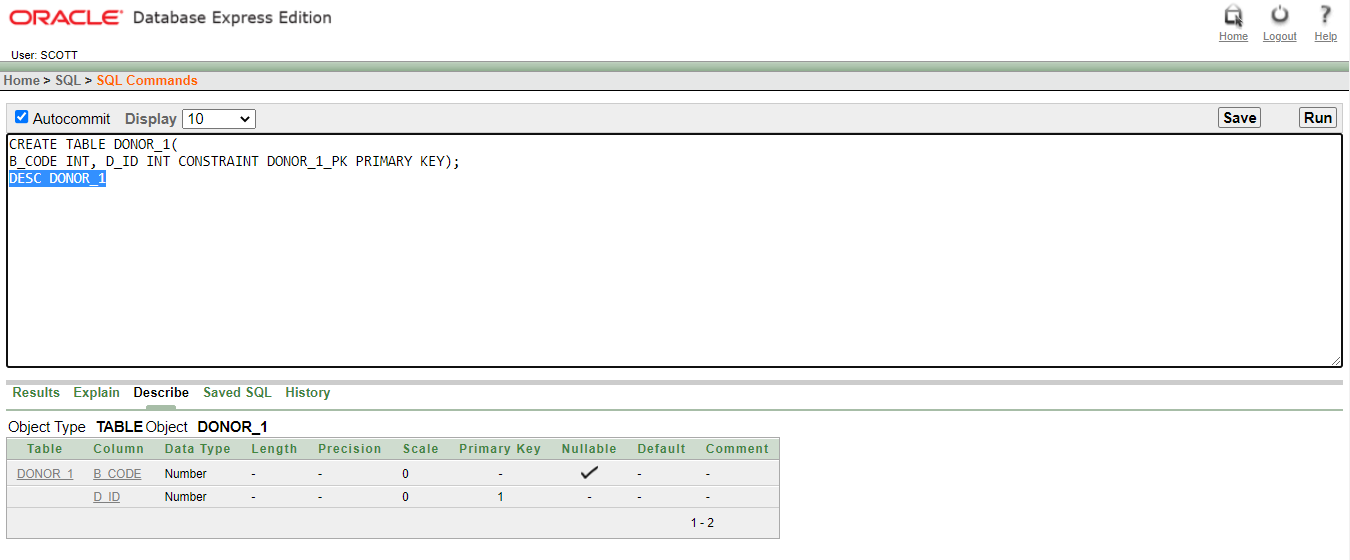
D\_NAME VARCHAR2(16),D\_BLOOD VARCHAR2(3), D\_DATE VARCHAR2(13), SEX VARCHAR2(17), D\_PHNCODE NUMBER(11), D\_ID INT CONSTRAINT DONOR\_PK PRIMARY KEY);



## TABLE 16: DONOR\_1

CREATE TABLE DONOR\_1(

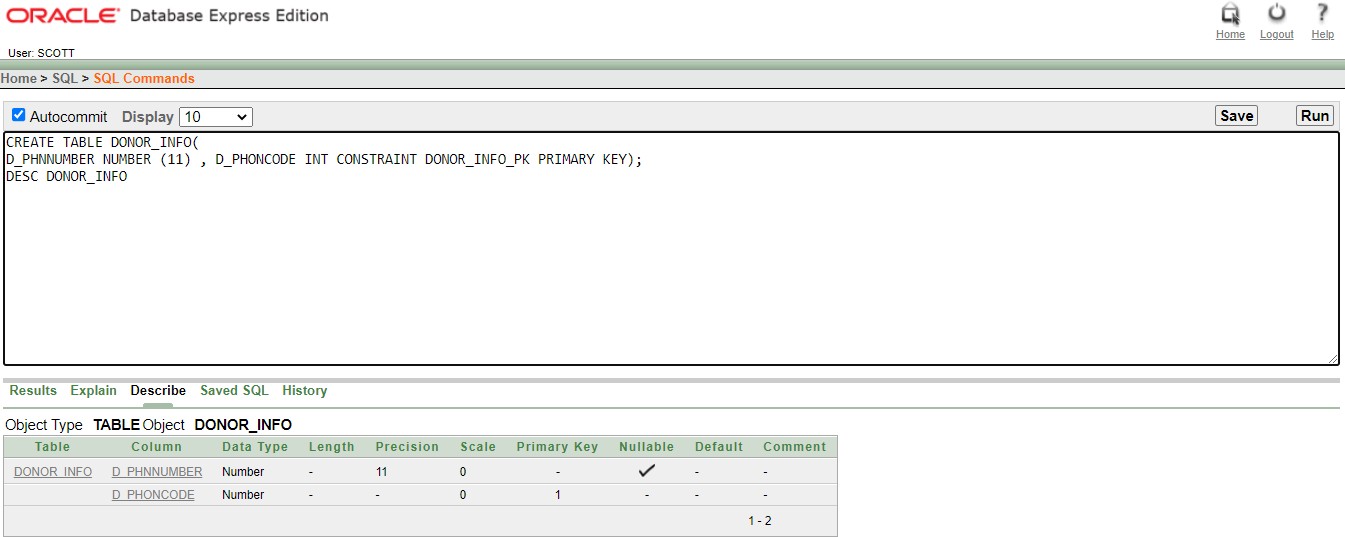
B\_CODE INT, D\_ID INT CONSTRAINT DONOR\_1\_PK PRIMARY KEY);



## TABLE 17: DONOR\_INFO

CREATE TABLE DONOR\_INFO(

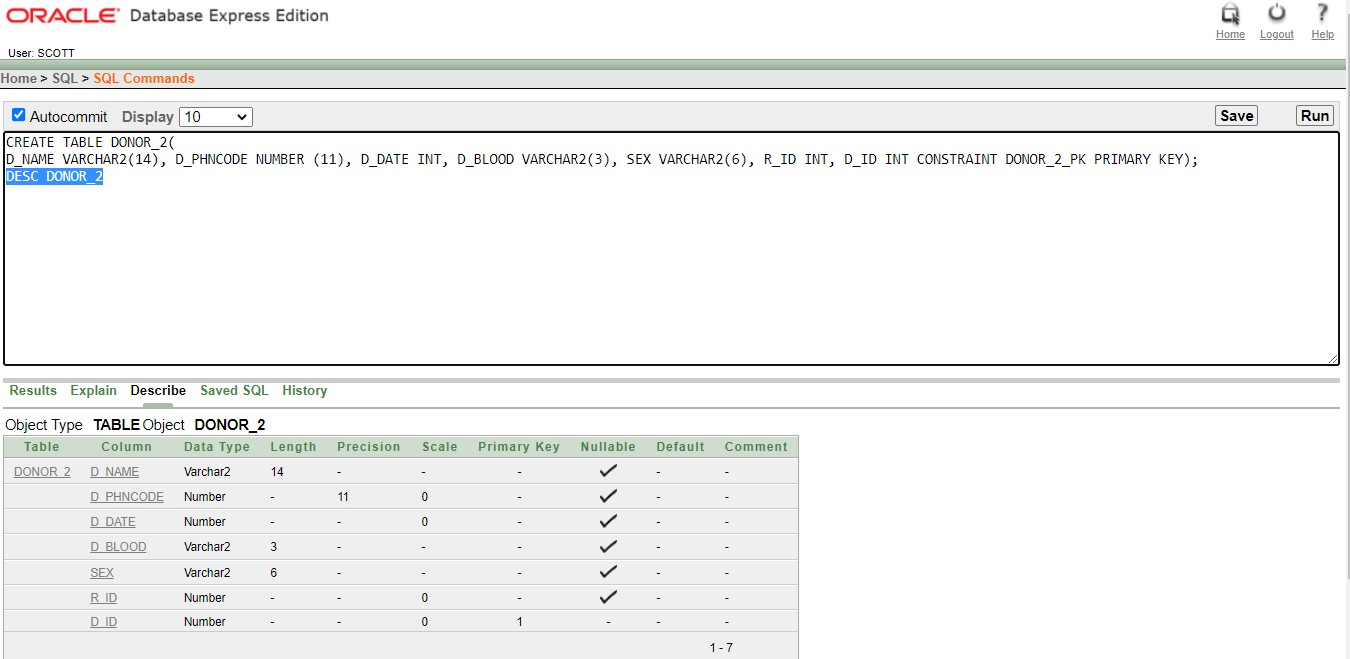
D\_PHNNUMBER NUMBER (11) , D\_PHONCODE INT CONSTRAINT DONOR\_INFO\_PK PRIMARY KEY);



## TABLE 18: DONOR\_2

CREATE TABLE DONOR\_2(

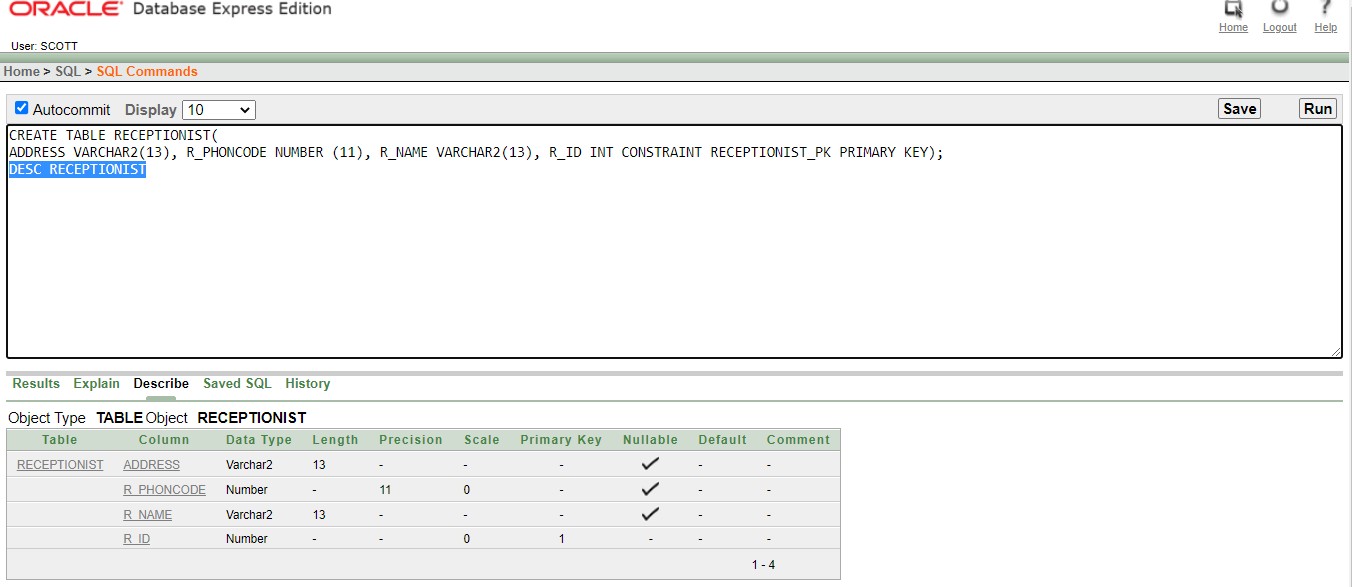
D\_NAME VARCHAR2(14), D\_PHNCODE NUMBER (11), D\_DATE VARCHAR2(14), D\_BLOOD VARCHAR2(3), SEX VARCHAR2(8), R\_ID INT, D\_ID INT CONSTRAINT DONOR\_2\_PK PRIMARY KEY);



## TABLE 19: RECEPTIONIST

CREATE TABLE RECEPTIONIST(

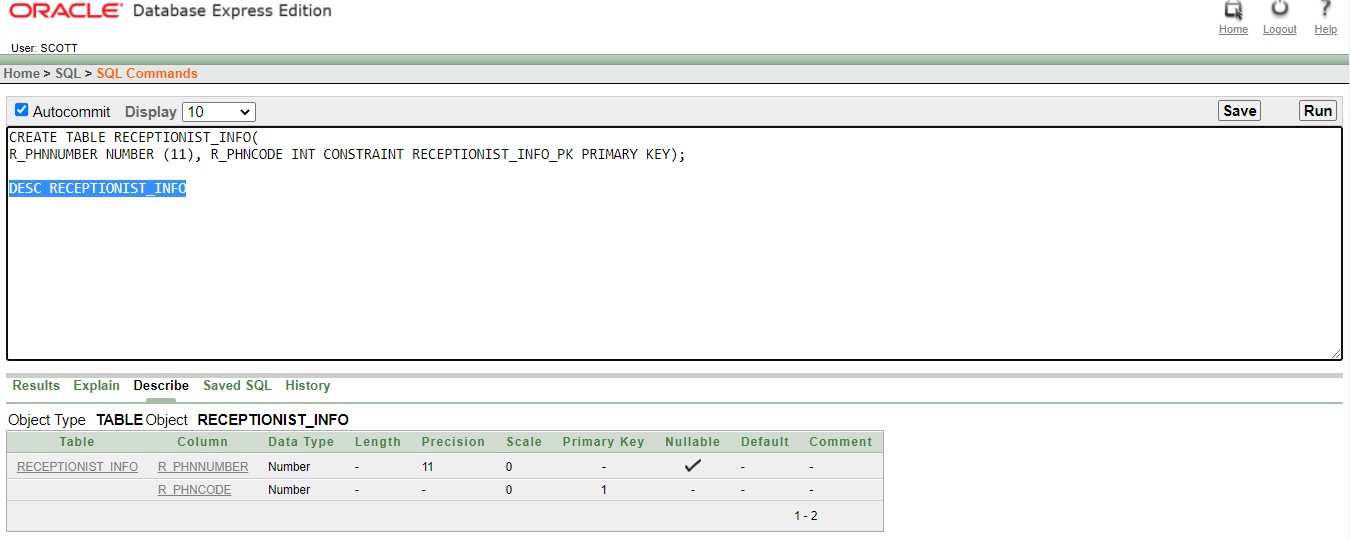
ADDRESS VARCHAR2(13), R\_PHONCODE NUMBER (11), R\_NAME VARCHAR2(13), R\_ID INT CONSTRAINT RECEPTIONIST\_PK PRIMARY KEY);



## TABLE 20: RECEPTIONIST\_INFO

CREATE TABLE RECEPTIONIST\_INFO(

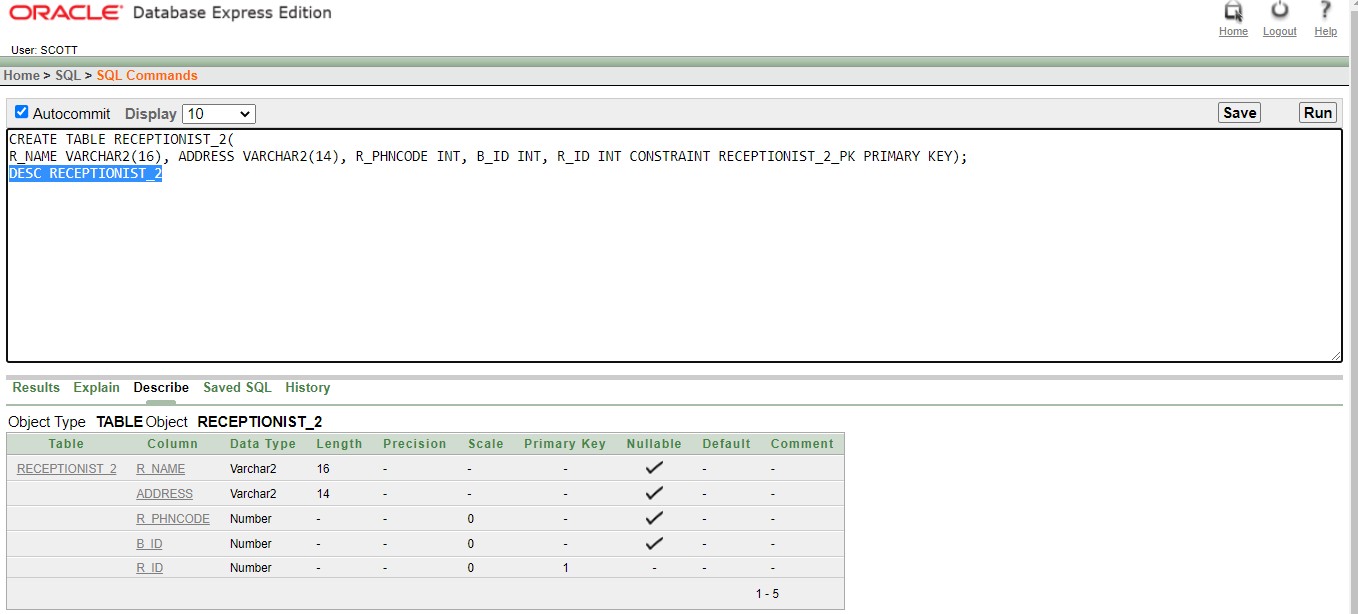
R\_PHNNUMBER NUMBER (11), R\_PHNCODE INT CONSTRAINT RECEPTIONIST\_INFO\_PK PRIMARY KEY);



## TABLE 21: RECEPTIONIST\_2

CREATE TABLE RECEPTIONIST\_2(

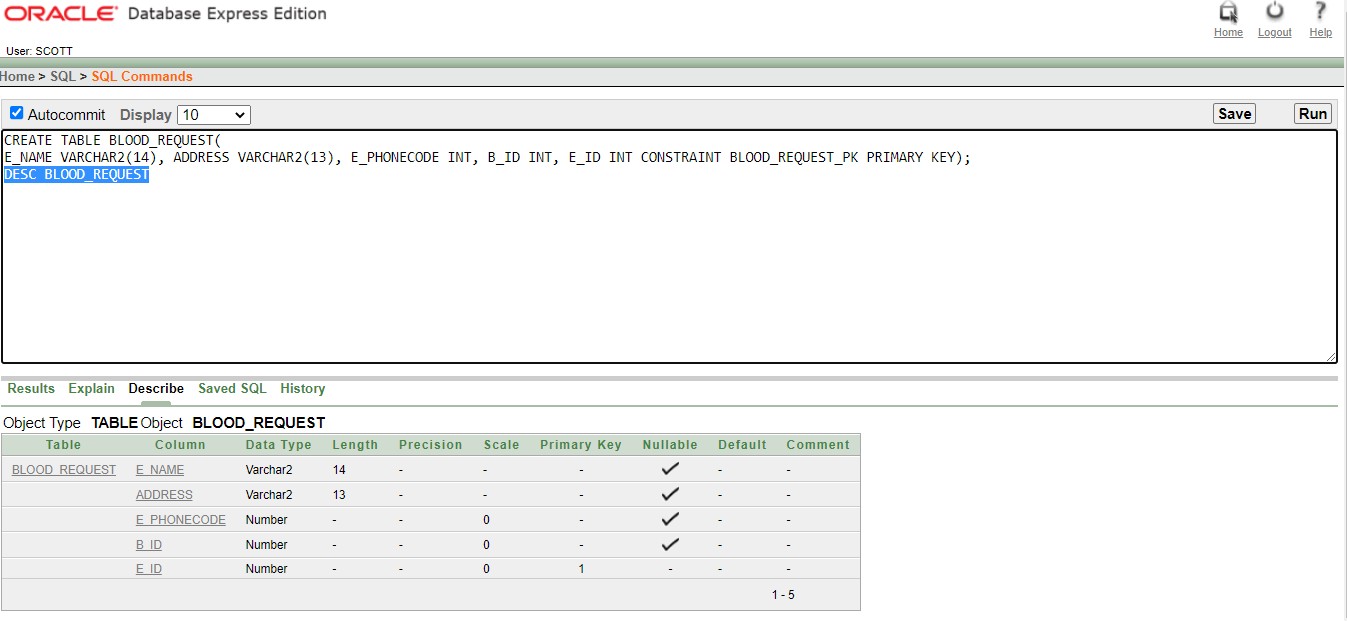
R\_NAME VARCHAR2(16), ADDRESS VARCHAR2(14), R\_PHNCODE INT, B\_ID INT, R\_ID INT CONSTRAINT RECEPTIONIST\_2\_PK PRIMARY KEY);



## TABLE 22: BLOOD\_REQUEST

CREATE TABLE BLOOD\_REQUEST(

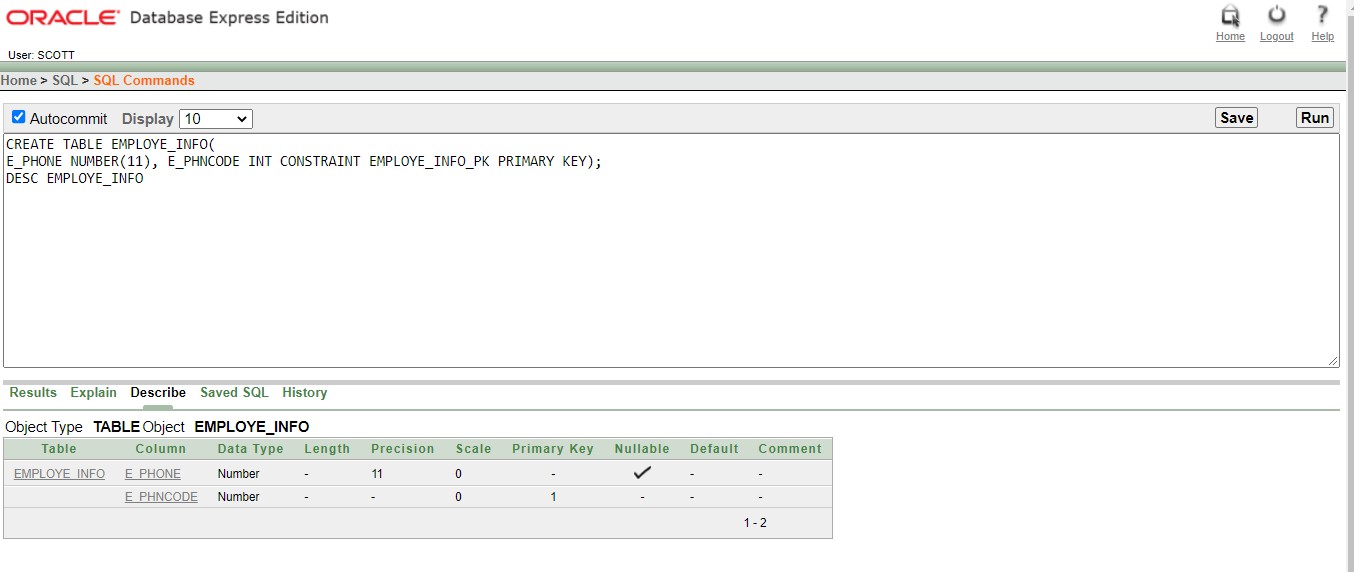
E\_NAME VARCHAR2(14), ADDRESS VARCHAR2(13), E\_PHONECODE INT, B\_ID INT, E\_ID INT CONSTRAINT BLOOD\_REQUEST\_PK PRIMARY KEY);



## TABLE 23: EMPLOYE\_INFO

CREATE TABLE EMPLOYE\_INFO(

E\_PHONE NUMBER(11), E\_PHNCODE INT CONSTRAINT EMPLOYE\_INFO\_PK PRIMARY KEY);

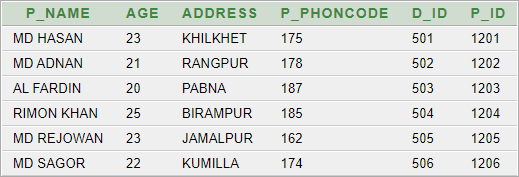


# :



## FOR TABLE 1 ( PATIENT ) ↆ

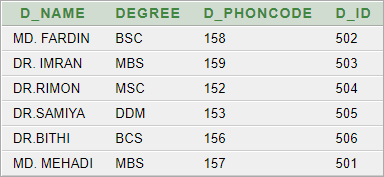
INSERT INTO PATIENT VALUES('MD HASAN',23,'KHILKHET',175,501,1201); INSERT INTO PATIENT VALUES('MD ADNAN',21,'RANGPUR',178,502,1202); INSERT INTO PATIENT VALUES('AL FARDIN',20,'PABNA',187,503,1203); INSERT INTO PATIENT VALUES('RIMON KHAN',25,'BIRAMPUR',185,504,1204); INSERT INTO PATIENT VALUES(' MD REJOWAN',23,'JAMALPUR',162,505,1205); INSERT INTO PATIENT VALUES(' MD SAGOR',22,'KUMILLA',174,506,1206);



**FOR TABLE 2 ( DOCTOR ) ↆ**

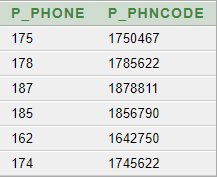
INSERT INTO DOCTOR VALUES('MD. MEHADI','MBS',0157,501); INSERT INTO DOCTOR VALUES('MD. FARDIN','BSC',0158,502); INSERT INTO DOCTOR VALUES('DR. IMRAN','MBS',0159,503); INSERT INTO DOCTOR VALUES('DR.RIMON ','MSC',0152,504); INSERT INTO DOCTOR VALUES('DR.SAMIYA','DDM',0153,505);

INSERT INTO DOCTOR VALUES('DR.BITHI ','BCS',0156,506);



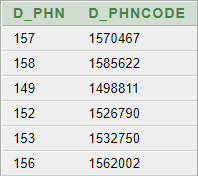
## FOR TABLE 3 ( PATIENT\_INFO ) ↆ

INSERT INTO PATIENT\_INFO VALUES(175,1750467); INSERT INTO PATIENT\_INFO VALUES(178,1785622); INSERT INTO PATIENT\_INFO VALUES(187,1878811); INSERT INTO PATIENT\_INFO VALUES(185,1856790); INSERT INTO PATIENT\_INFO VALUES(162,1642750); INSERT INTO PATIENT\_INFO VALUES(174,1745622);



**FOR TABLE 4 ( DOCTOR\_INFO) ↆ**

INSERT INTO DOCTOR\_INFO VALUES(157,1570467); INSERT INTO DOCTOR\_INFO VALUES(158,1585622); INSERT INTO DOCTOR\_INFO VALUES(149,1498811); INSERT INTO DOCTOR\_INFO VALUES(152,1526790); INSERT INTO DOCTOR\_INFO VALUES(153,1532750); INSERT INTO DOCTOR\_INFO VALUES(156,1562002);

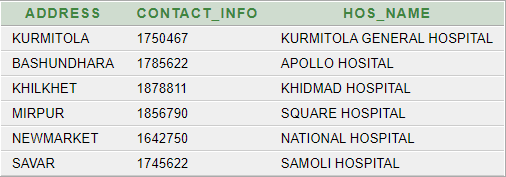


## FOR TABLE 5 ( HOSPITAL ) ↆ

INSERT INTO HOSPITAL VALUES('KURMITOLA',1750467,'KURMITOLA GENERAL HOSPITAL');

INSERT INTO HOSPITAL VALUES('BASHUNDHARA',1785622,'APOLLO HOSITAL'); INSERT INTO HOSPITAL VALUES('KHILKHET',1878811,'KHIDMAD HOSPITAL'); INSERT INTO HOSPITAL VALUES('MIRPUR',1856790,'SQUARE HOSPITAL');

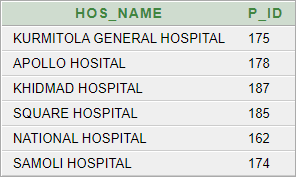
INSERT INTO HOSPITAL VALUES('NEWMARKET',1642750,'NATIONAL HOSPITAL'); INSERT INTO HOSPITAL VALUES('SAVAR',1745622,'SAMOLI HOSPITAL'**);**



**FOR TABLE 6 ( HOSPITAL\_1 ) ↆ**

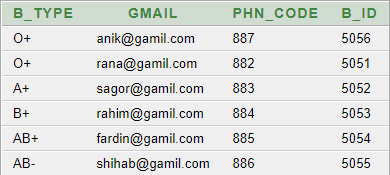
INSERT INTO HOSPITAL\_1 VALUES('KURMITOLA GENERAL HOSPITAL',175); INSERT INTO HOSPITAL\_1 VALUES('APOLLO HOSITAL',178);

INSERT INTO HOSPITAL\_1 VALUES('KHIDMAD HOSPITAL',187); INSERT INTO HOSPITAL\_1 VALUES('SQUARE HOSPITAL',185); INSERT INTO HOSPITAL\_1 VALUES('NATIONAL HOSPITAL',162); INSERT INTO HOSPITAL\_1 VALUES('SAMOLI HOSPITAL',174);



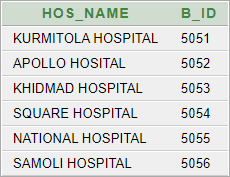
## FOR TABLE 7 (BLOOD\_BANK) ↆ

INSERT INTO BLOOD\_BANK VALUES('O+','rana@gamil.com',882,5051); INSERT INTO BLOOD\_BANK VALUES('A+','sagor@gamil.com',883,5052); INSERT INTO BLOOD\_BANK VALUES('B+','rahim@gamil.com',884,5053); INSERT INTO BLOOD\_BANK VALUES('AB+','fardin@gamil.com',885,5054); INSERT INTO BLOOD\_BANK VALUES('AB-','shihab@gamil.com',886,5055); INSERT INTO BLOOD\_BANK VALUES('O+','anik@gamil.com',887,5056);



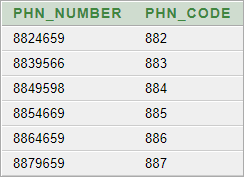
**FOR TABLE 8 ( BLOOD\_BANK\_1) ↆ**

INSERT INTO BLOOD\_BANK\_1 VALUES('KURMITOLA HOSPITAL',5051); INSERT INTO BLOOD\_BANK\_1 VALUES('APOLLO HOSITAL',5052); INSERT INTO BLOOD\_BANK\_1 VALUES('KHIDMAD HOSPITAL',5053); INSERT INTO BLOOD\_BANK\_1 VALUES('SQUARE HOSPITAL',5054); INSERT INTO BLOOD\_BANK\_1 VALUES('NATIONAL HOSPITAL',5055); INSERT INTO BLOOD\_BANK\_1 VALUES('SAMOLI HOSPITAL',5056);



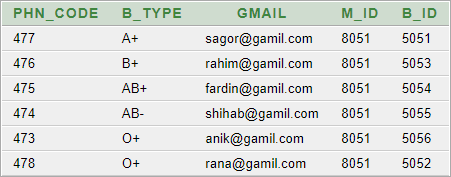
## FOR TABLE 9 (BLOOD\_INFO) ↆ

INSERT INTO BLOOD\_INFO VALUES(8824659,882); INSERT INTO BLOOD\_INFO VALUES(8839566,883); INSERT INTO BLOOD\_INFO VALUES(8849598,884); INSERT INTO BLOOD\_INFO VALUES(8854669,885); INSERT INTO BLOOD\_INFO VALUES(8864659,886); INSERT INTO BLOOD\_INFO VALUES(8879659,887);



**FOR TABLE 10 ( BLOOD\_BANK\_2 ) ↆ**

INSERT INTO BLOOD\_BANK\_2 VALUES(478,'O+','rana@gamil.com',8051,5052); INSERT INTO BLOOD\_BANK\_2 VALUES(477,'A+','sagor@gamil.com',8051,5051); INSERT INTO BLOOD\_BANK\_2 VALUES(476,'B+','rahim@gamil.com',8051,5053); INSERT INTO BLOOD\_BANK\_2 VALUES(475,'AB+','fardin@gamil.com',8051,5054); INSERT INTO BLOOD\_BANK\_2 VALUES(474,'AB-','shihab@gamil.com',8051,5055); INSERT INTO BLOOD\_BANK\_2 VALUES(473,'O+','anik@gamil.com',8051,5056);



## FOR TABLE 11 ( MANAGER ) ↆ

INSERT INTO MANAGER VALUES('MEHEDI','mahidi22@gmail.com',789,8051);

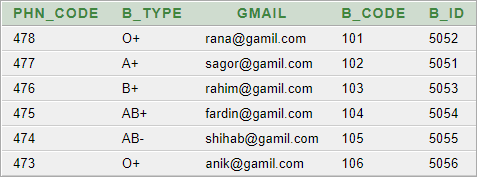


**FOR TABLE 12 ( MANAGER\_INFO) ↆ**



INSERT INTO MANAGER\_INFO VALUES(789658,789);

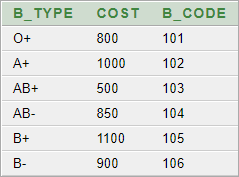
## FOR TABLE 13 (BLOOD\_BANK\_3) ↆ



INSERT INTO BLOOD\_BANK\_3 VALUES(478,'O+','rana@gamil.com',101,5052); INSERT INTO BLOOD\_BANK\_3 VALUES(477,'A+','sagor@gamil.com',102,5051); INSERT INTO BLOOD\_BANK\_3 VALUES(476,'B+','rahim@gamil.com',103,5053); INSERT INTO BLOIOD\_BANK\_3 VALUES(475,'AB+','fardin@gamil.com',104,5054); INSERT INTO BLOOD\_BANK\_3 VALUES(474'AB-','shihab@gamil.com',105,5055); INSERT INTO BLOOD\_BANK\_3 VALUES(473,'O+','anik@gamil.com',106,5056);

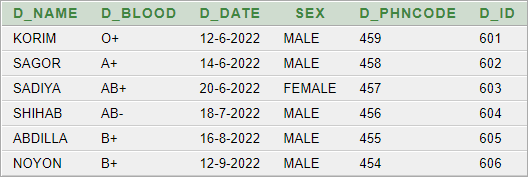
**FOR TABLE 14 (BLOOD) ↆ**

INSERT INTO BLOOD VALUES('O+',800, 101); INSERT INTO BLOOD VALUES('A+',1000, 102); INSERT INTO BLOOD VALUES('AB+',500, 103); INSERT INTO BLOOD VALUES('AB-',850, 104); INSERT INTO BLOOD VALUES('B+',1100, 105); INSERT INTO BLOOD VALUES('B-',900, 106);



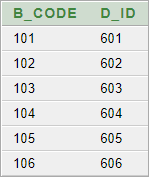
## FOR TABLE 15 (DONOR) ↆ

INSERT INTO DONOR VALUES( 'KORIM','O+','12-6-2022','MALE',459,601); INSERT INTO DONOR VALUES( 'SAGOR','A+','14-6-2022','MALE',458,602); INSERT INTO DONOR VALUES( 'SADIYA','AB+','20-6-2022','FEMALE',457,603); INSERT INTO DONOR VALUES( 'SHIHAB','AB-','18-7-2022','MALE',456,604); INSERT INTO DONOR VALUES( 'ABDILLA','B+','16-8-2022','MALE',455,605); INSERT INTO DONOR VALUES( 'NOYON','B+','12-9-2022','MALE',454,606);



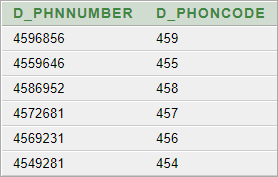
**FOR TABLE 16 (DONOR\_1) ↆ**

INSERT INTO DONOR\_1 VALUES(101,601); INSERT INTO DONOR\_1 VALUES(102,602); INSERT INTO DONOR\_1 VALUES(103,603); INSERT INTO DONOR\_1 VALUES(104,604); INSERT INTO DONOR\_1 VALUES(105,605); INSERT INTO DONOR\_1 VALUES(106,606);



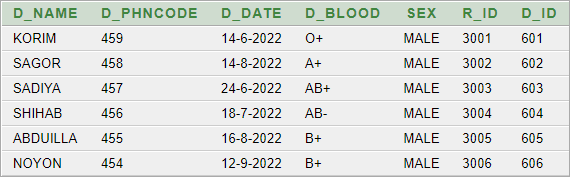
## FOR TABLE 17 (DONOR\_INFO) ↆ

INSERT INTO DONOR\_INFO VALUES(4596856, 459); INSERT INTO DONOR\_INFO VALUES(4586952, 458); INSERT INTO DONOR\_INFO VALUES(4572681, 457); INSERT INTO DONOR\_INFO VALUES(4569231, 456); INSERT INTO DONOR\_INFO VALUES(4559646, 455); INSERT INTO DONOR\_INFO VALUES(4549281, 454);



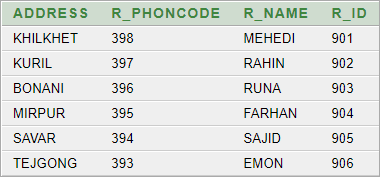
**FOR TABLE 18 (DONOR\_2) ↆ**

INSERT INTO DONOR\_2 VALUES( 'KORIM',459,'14-6-2022','O+','MALE',3001,601); INSERT INTO DONOR\_2 VALUES( 'SAGOR',458,'14-8-2022','A+','MALE',3002,602); INSERT INTO DONOR\_2 VALUES( 'SADIYA',457,'24-6-2022','AB+','MALE',3003,603); INSERT INTO DONOR\_2 VALUES( 'SHIHAB',456,'18-7-2022','AB-','MALE',3004,604); INSERT INTO DONOR\_2 VALUES( 'ABDUILLA',455,'16-8-2022','B+','MALE',3005,605); INSERT INTO DONOR\_2 VALUES( 'NOYON',454,'12-9-2022','B+','MALE',3006,606);



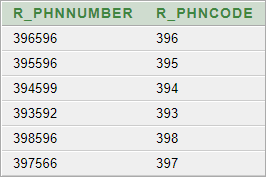
## FOR TABLE 19 (RECEPTIONIST) ↆ

INSERT INTO RECEPTIONIST VALUES('KHILKHET',398, 'MEHEDI',901); INSERT INTO RECEPTIONIST VALUES('KURIL',397, 'RAHIN',902); INSERT INTO RECEPTIONIST VALUES('BONANI',396, 'RUNA',903); INSERT INTO RECEPTIONIST VALUES('MIRPUR',395, 'FARHAN',904); INSERT INTO RECEPTIONIST VALUES('SAVAR',394, 'SAJID',905); INSERT INTO RECEPTIONIST VALUES('TEJGONG',393, 'EMON',906);



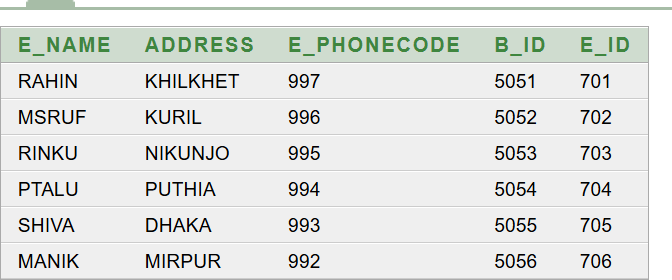
**FOR TABLE 20 (RECEPTIONIST\_INFO) ↆ**

INSERT INTO RECEPTIONIST\_INFO VALUES(398596,398); INSERT INTO RECEPTIONIST\_INFO VALUES(397566,397); INSERT INTO RECEPTIONIST\_INFO VALUES(396596,396); INSERT INTO RECEPTIONIST\_INFO VALUES(395596,395); INSERT INTO RECEPTIONIST\_INFO VALUES(394599,394); INSERT INTO RECEPTIONIST\_INFO VALUES(393592,393);



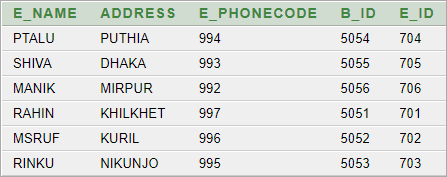
## FOR TABLE 21 (RECEPTIONIST\_2) ↆ

INSERT INTO RECEPTIONIST\_2 VALUES('KHILKHET', 'MEHEDI',398,5051,901); INSERT INTO RECEPTIONIST\_2 VALUES('KURIL', 'RAHIN',397,5052,902); INSERT INTO RECEPTIONIST\_2 VALUES('BONANI', 'RUNA',396,5053,903); INSERT INTO RECEPTIONIST\_2 VALUES('MIRPUR', 'FARHAN',395,5054,904); INSERT INTO RECEPTIONIST\_2 VALUES('SAVAR', 'SAJID',394,5055,905); INSERT INTO RECEPTIONIST\_2 VALUES('TEJGONG', 'EMON',393,5056,906);



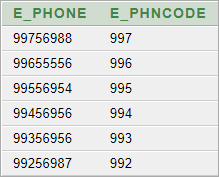
**FOR TABLE 22 (BLOOD\_REQUEST) ↆ**

INSERT INTO BLOOD\_REQUEST VALUES('RAHIN','KHILKHET',997,5051,701); INSERT INTO BLOOD\_REQUEST VALUES('MSRUF','KURIL',996,5052,702); INSERT INTO BLOOD\_REQUEST VALUES('RINKU','NIKUNJO',995,5053,703); INSERT INTO BLOOD\_REQUEST VALUES('PTALU','PUTHIA',994,5054,704); INSERT INTO BLOOD\_REQUEST VALUES('SHIVA','DHAKA',993,5055,705); INSERT INTO BLOOD\_REQUEST VALUES('MANIK','MIRPUR',992,5056,706);



**FOR TABLE 23 (EMPLYE\_INFO) ↆ**

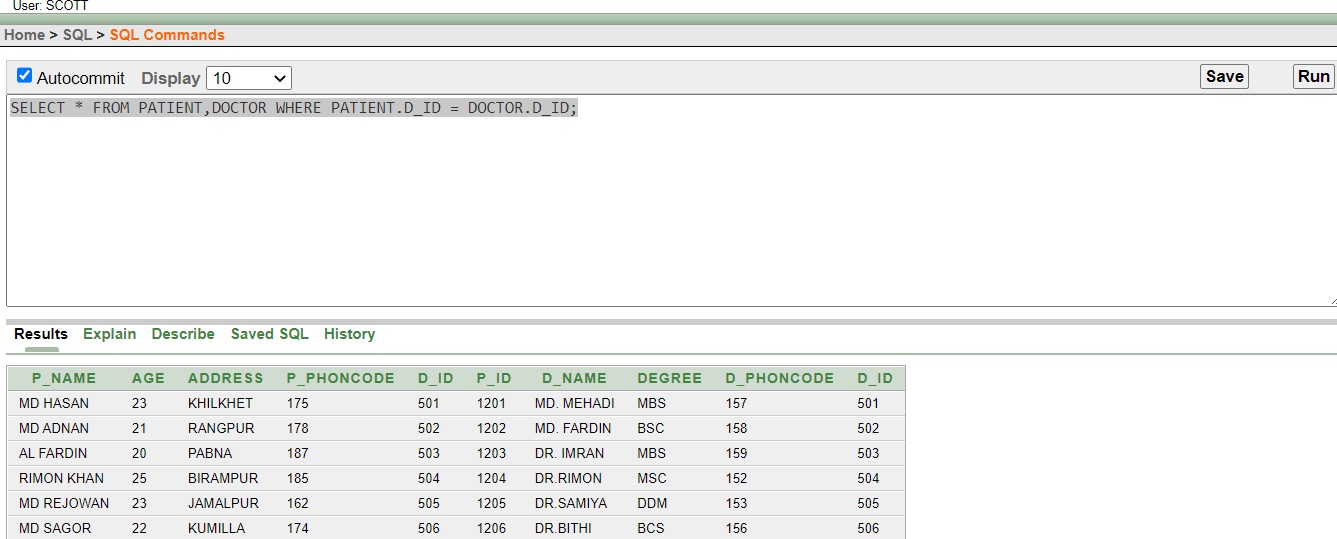
INSERT INTO EMPLOYE\_INFO VALUES(99756988,997); INSERT INTO EMPLOYE\_INFO VALUES(99655556,996); INSERT INTO EMPLOYE\_INFO VALUES(99556954,995); INSERT INTO EMPLOYE\_INFO VALUES(99456956,994); INSERT INTO EMPLOYE\_INFO VALUES(99356956,993); INSERT INTO EMPLOYE\_INFO VALUES(99256987,992);



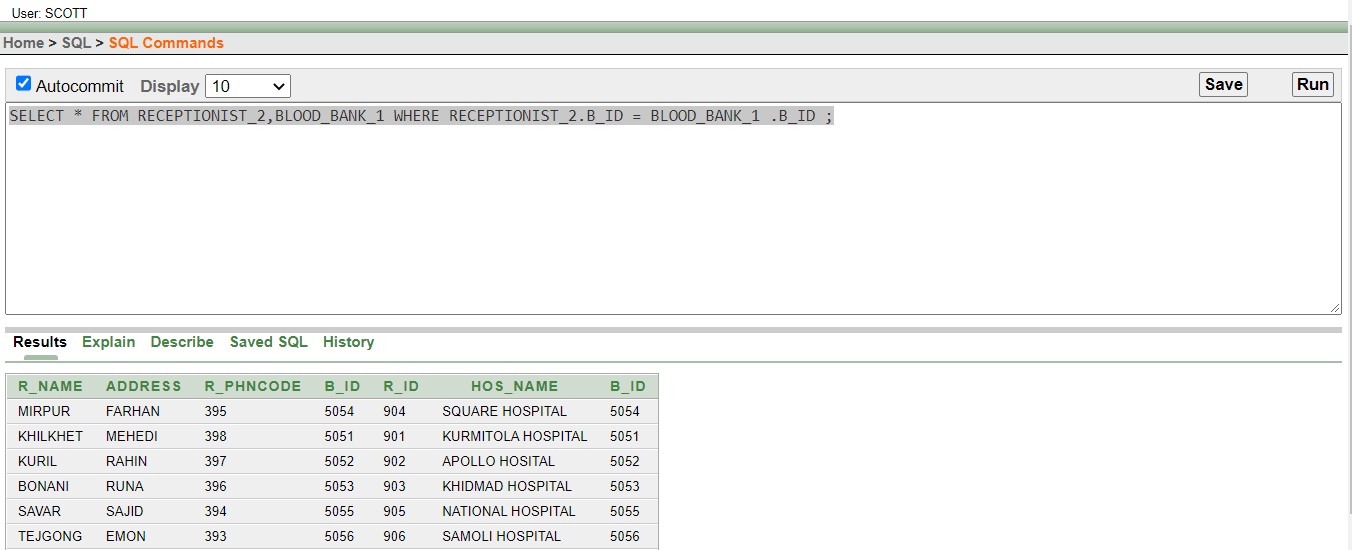


# Equijoins:

Equijoins table between (Patient – Doctor)

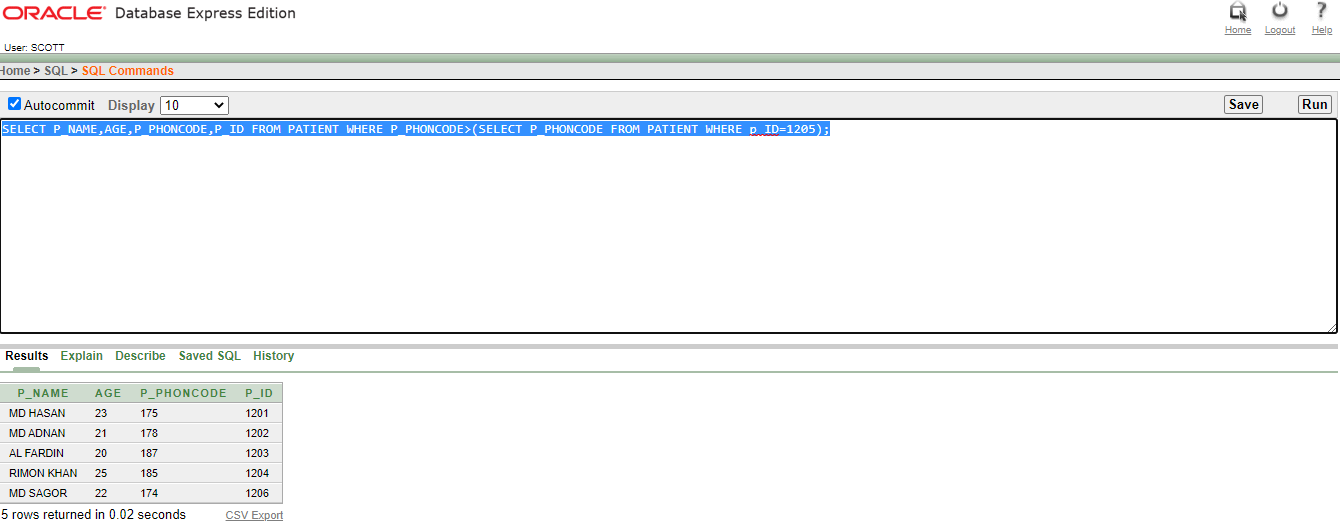


Equijoins table between (Receptionist\_2 – Blood\_bank\_1)

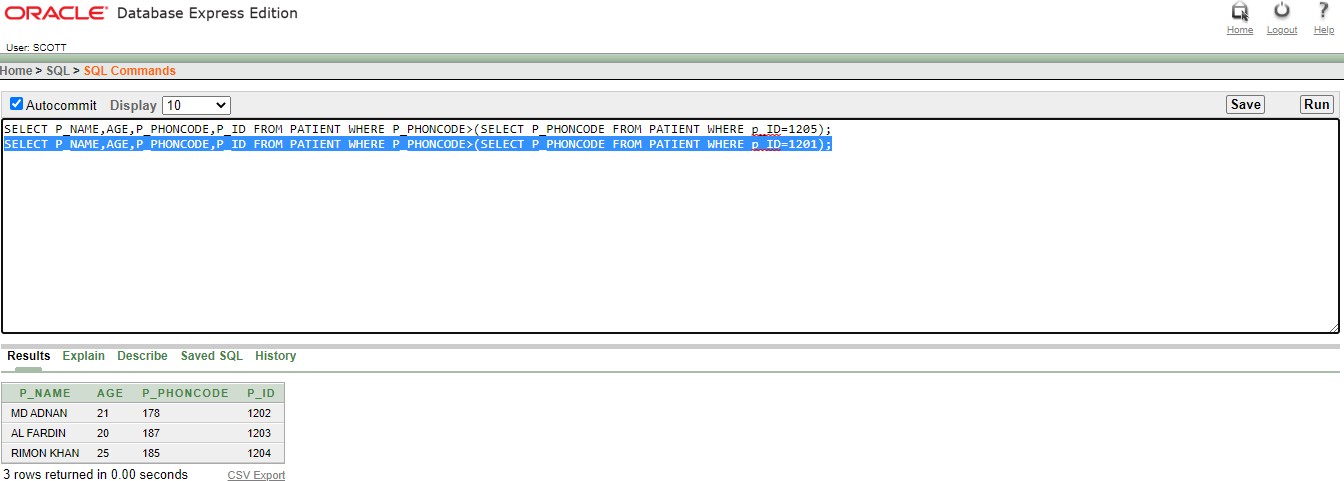




## SELECT P\_NAME,AGE,P\_PHONCODE,P\_ID FROM PATIENT WHERE P\_PHONCODE>(SELECT P\_PHONCODE FROM PATIENT WHERE p\_ID=1205);



* 1. **SELECT P\_NAME,AGE,P\_PHONCODE,P\_ID FROM PATIENT WHERE P\_PHONCODE>(SELECT P\_PHONCODE FROM PATIENT WHERE p\_ID=1201);**

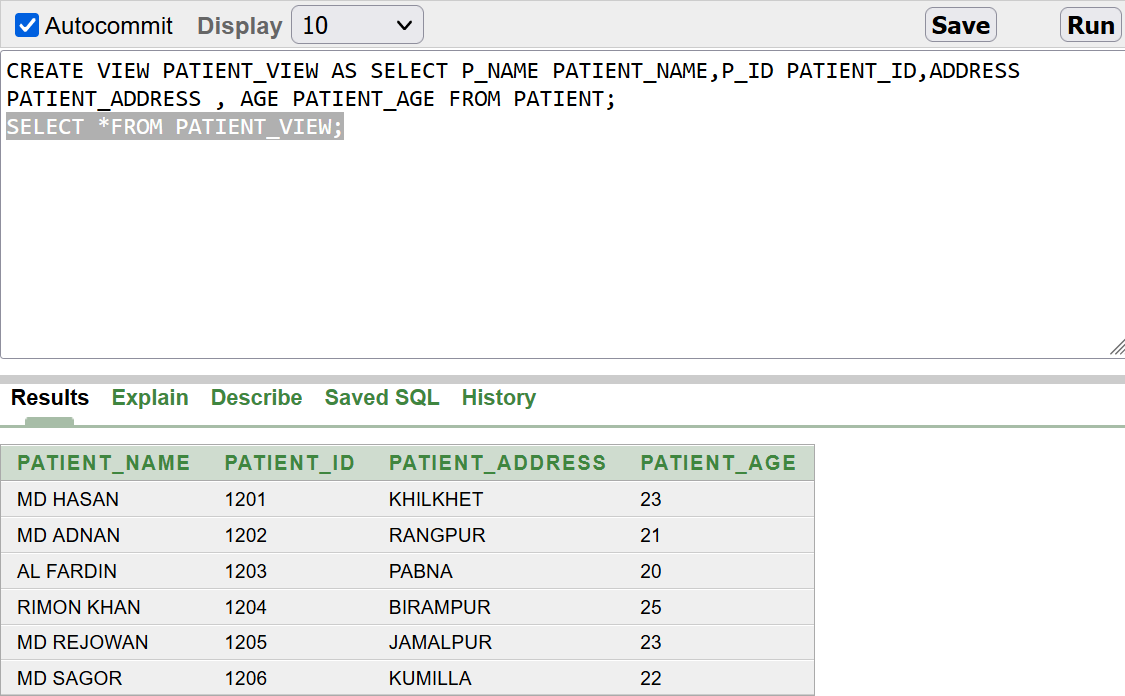




1. **##**CREATE PATIENT VIEW AS PATIENT\_VIEW .

CREATE VIEW PATIENT\_VIEW AS SELECT P\_NAME PATIENT\_NAME,P\_ID PATIENT\_ID,ADDRESS PATIENT\_ADDRESS , AGE PATIENT\_AGE FROM PATIENT;

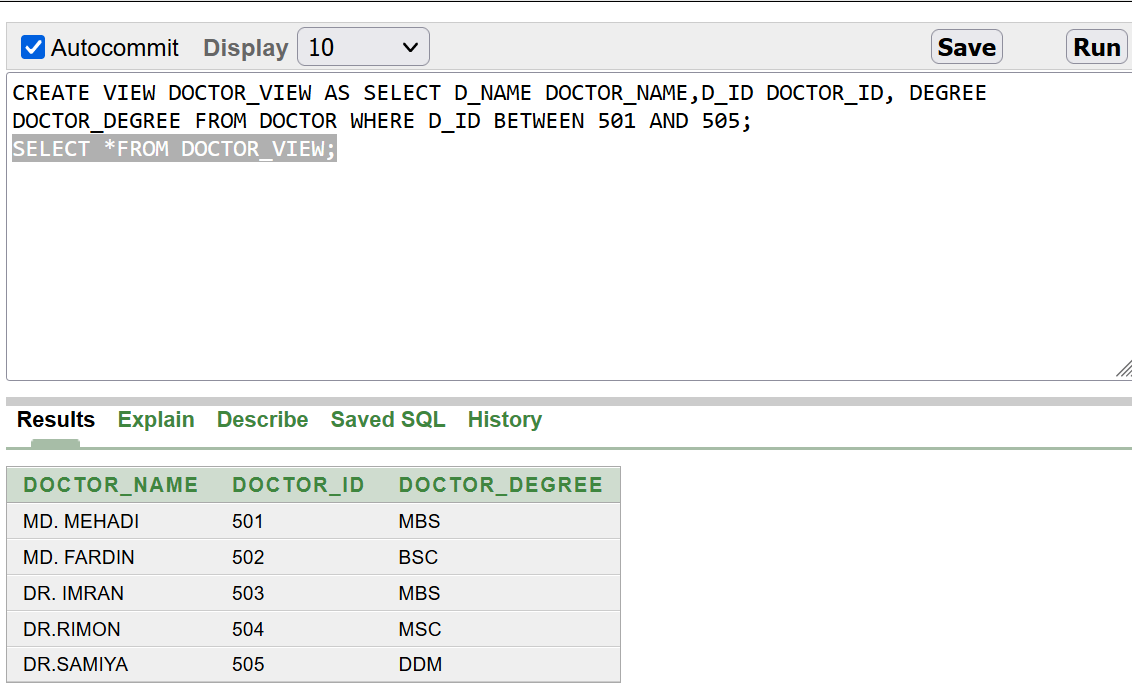
SELECT \*FROM PATIENT\_VIEW;



1. ##CREATE DOCTOR VIEW AS DOCTOR\_VIEW

CREATE VIEW DOCTOR\_VIEW AS SELECT D\_NAME DOCTOR\_NAME,D\_ID DOCTOR\_ID, DEGREE DOCTOR\_DEGREE FROM DOCTOR WHERE D\_ID BETWEEN 501 AND 505;

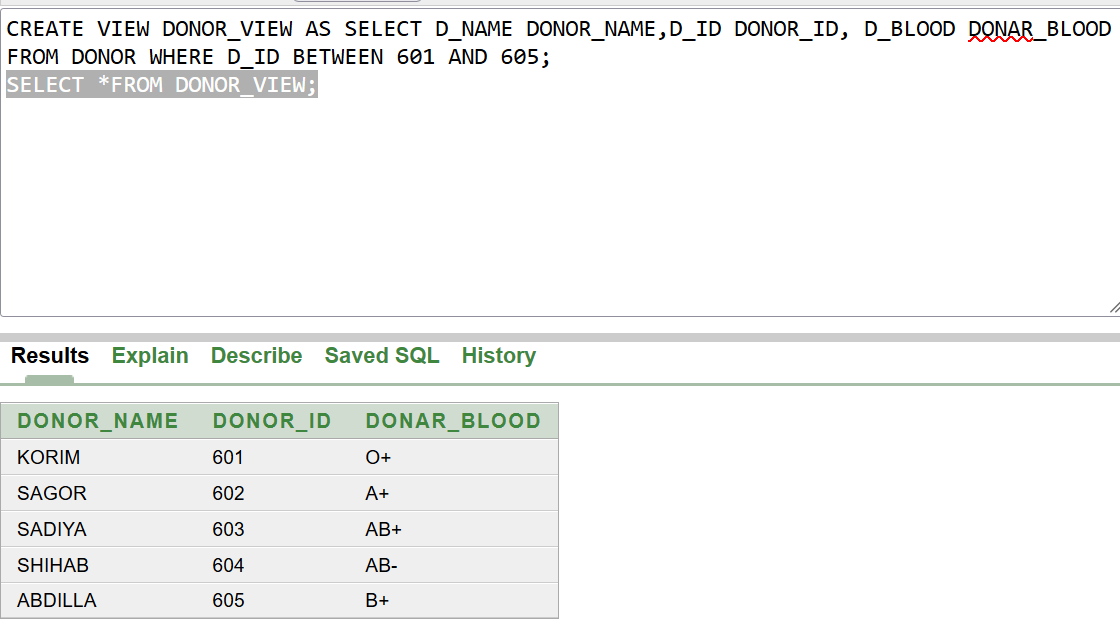
SELECT\*FROM DOCTOR\_VIEW



1. ##CREATE DONOR VIEW AS DONOR\_VIEW

CREATE VIEW DONOR\_VIEW AS SELECT D\_NAME DONOR\_NAME,D\_ID DONOR\_ID, D\_BLOOD DONAR\_BLOOD FROM DONOR WHERE D\_ID BETWEEN 601 AND 605;

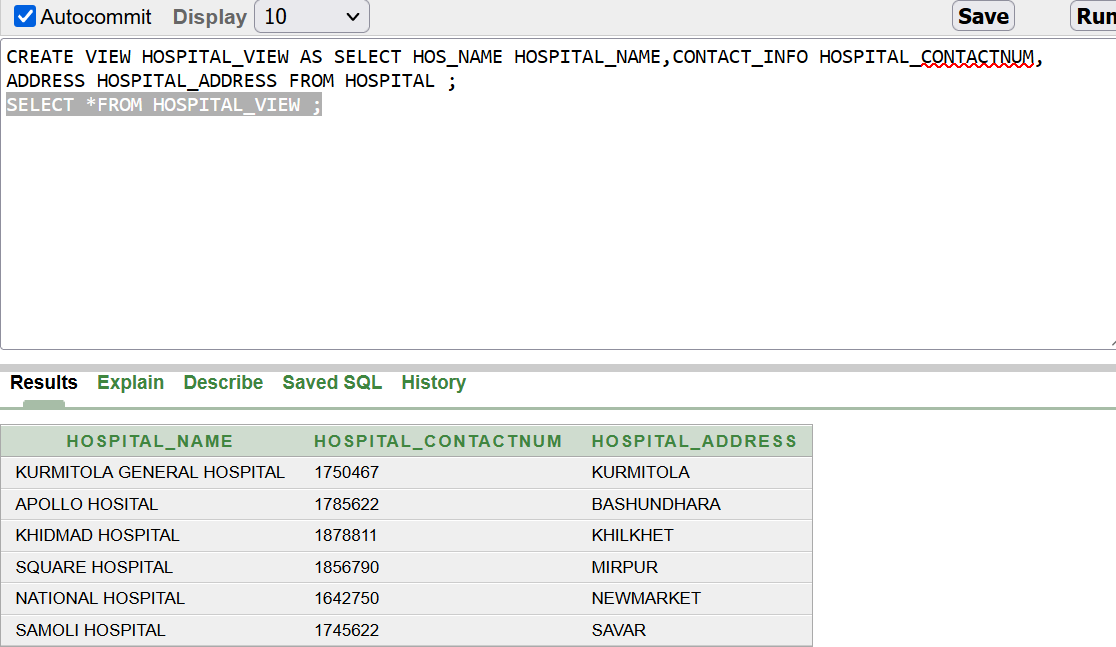
SELECT \*FROM DONOR\_VIEW;



1. ##CREATE HOSPITAL VIEW ASS HOSPITAL\_VIEW

CREATE VIEW HOSPITAL\_VIEW AS SELECT HOS\_NAME HOSPITAL\_NAME,CONTACT\_INFO HOSPITAL\_CONTACTNUM, ADDRESS HOSPITAL\_ADDRESS FROM HOSPITAL ;

SELECT \*FROM HOSPITAL\_VIEW ;





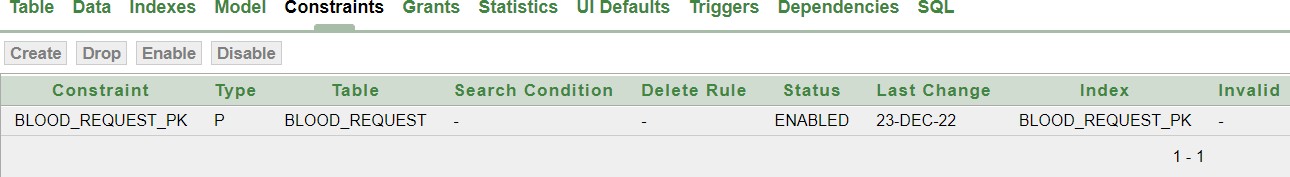
**TABLE NAME: BLOOD**



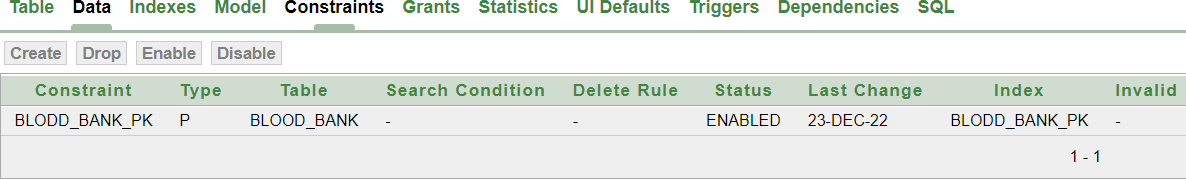
**TABLE NAME: BLOOD\_1**



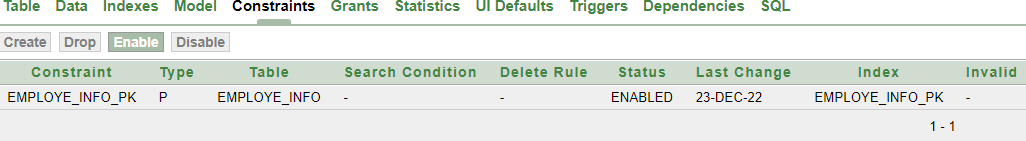
**TABLE NAME: BLOOD\_REQUEST**



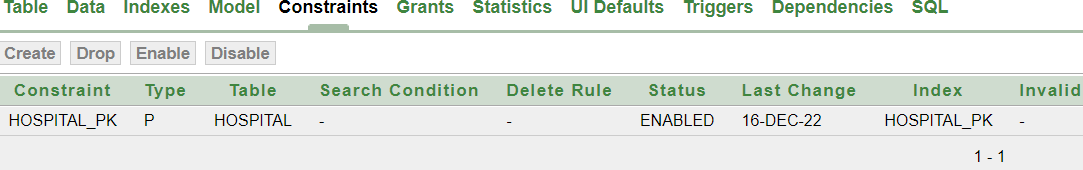
**TABLE NAME: BLOOD\_BANK**



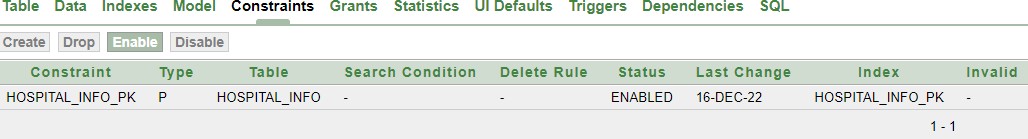
**TABLE NAME: EMPLOYEE\_INFO**



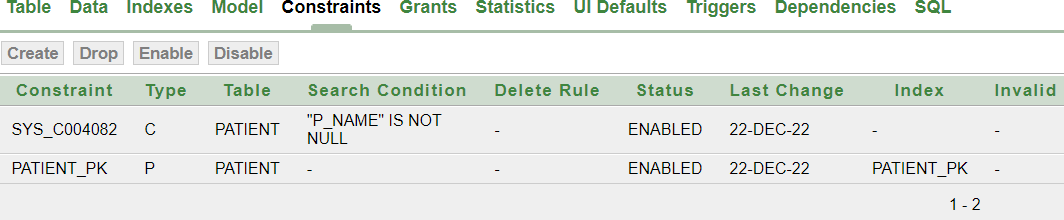
**TABLE NAME: HOSPITAL**



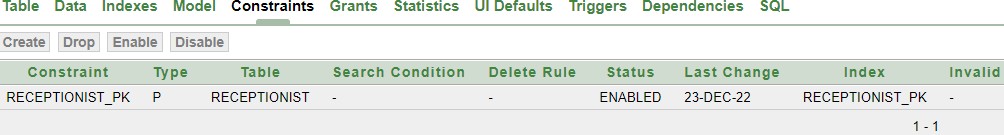
**TABLE NAME: HOSPITAL\_INFO**



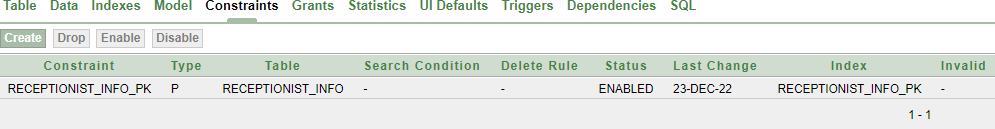
**TABLE NAME: PATIENT**



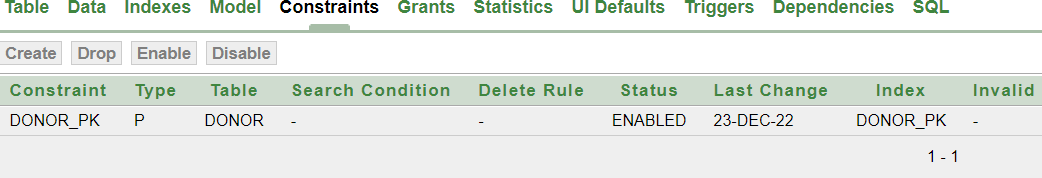
**TABLE NAME: RECEPTIONIST**



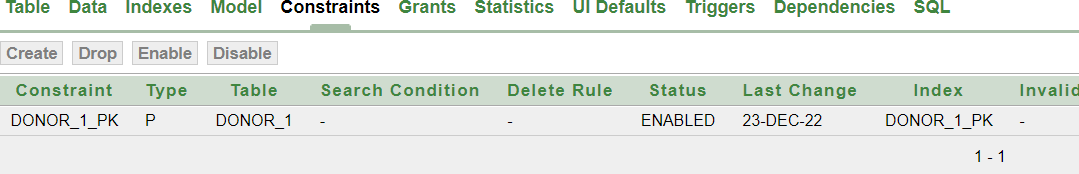
**TABLE NAME: RECEPTIONIST\_INFO**



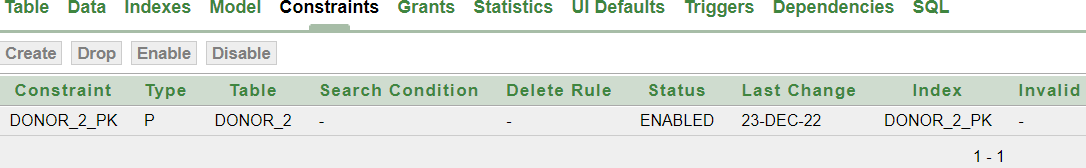
**TABLE NAME: DONOR**



**TABLE NAME: DONOR\_1**



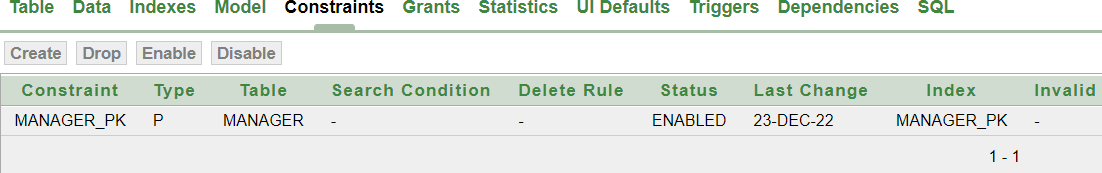
**TABLE NAME: DONOR\_2**



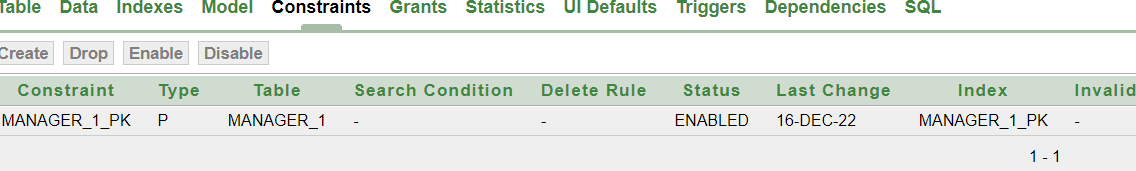
**TABLE NAME: DONOR\_INFO**



**TABLE NAME: MANAGER**



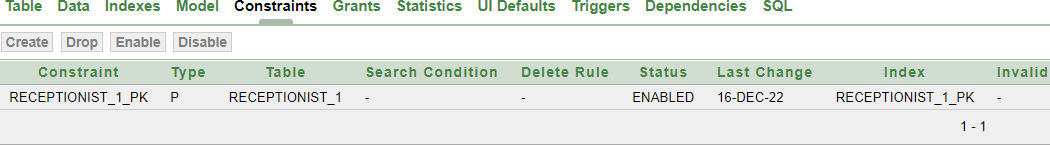
**TABLE NAME: MANAGER\_1**



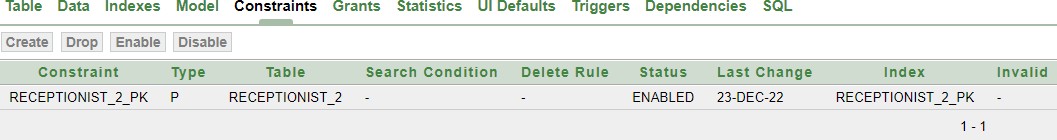
**TABLE NAME: MANAGER\_INFO**



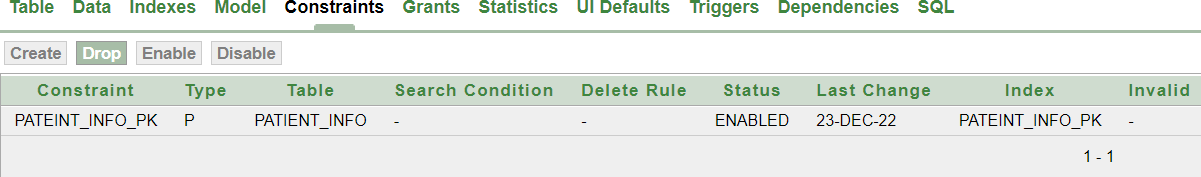
**TABLE NAME: RECEPTIONIST\_1**



**TABLE NAME: RECEPTIONIST\_2**



**TABLE NAME: PATIENT\_INFO**





1. SELECT \* FROM BLOOD\_BANK ;
2. SELECT P\_NAME ||' '||'ID IS'||' '||P\_ID AS PATIENT\_ID FROM PATIENT;
3. SELECT P\_NAME AS PATIENT\_NAME,P\_ID PATIENT\_ID,AGE PATIENT\_AGE FROM PATIENT;
4. SELECT D\_NAME,DEGREE,D\_PHONCODE,D\_ID FROM DOCTOR WHERE DEGREE LIKE 'MBS';
5. SELECT D\_NAME,DEGREE,D\_PHONCODE,D\_ID FROM DOCTOR WHERE D\_ID IN (502,503,505);
6. SELECT D\_NAME,DEGREE,D\_PHONCODE,D\_ID FROM DOCTOR WHERE D\_PHONCODE = 159;
7. SELECT B\_TYPE,GMAIL,PHN\_CODE,B\_ID FROM BLOOD\_BANK WHERE B\_ID BETWEEN 5052 AND 5055;
8. SELECT D\_NAME,DEGREE,D\_PHONCODE,D\_ID FROM DOCTOR WHERE UPPER(D\_NAME) = 'DR.SAMIYA';
9. SELECT PHN\_CODE,B\_TYPE,GMAIL,M\_ID,B\_ID FROM BLOOD\_BANK\_2 WHERE B\_ID

<> 5054;

1. SELECT \* FROM PATIENT,DOCTOR WHERE PATIENT.D\_ID = DOCTOR.D\_ID;