

## **GROUP-8**

### **POPULAR DIAGNOSTIC MANAGEMENT SYSTEMS**

#### **MEMBERS INFORMATION:**

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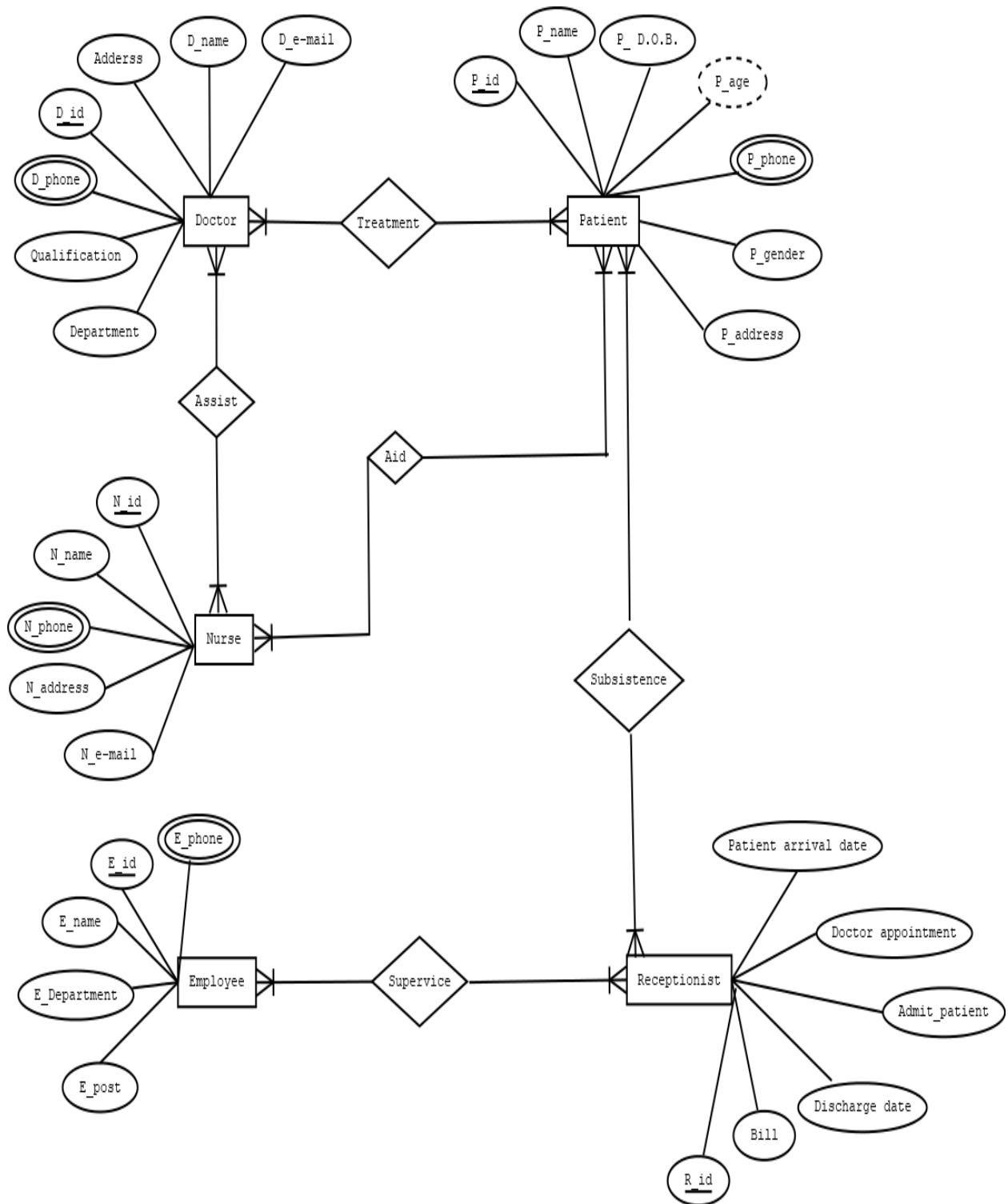
#### **INTRODUCTION**

A Database Management System (DBMS) is system application for creating and managing database. A DBMS makes it possible for end users to create, protect, read, update and delete data in database. In our project we have built closer to perfect Popular Diagnostic Management System. So, first question can be asked that why would we need a diagnostic management system? Well, there are lots of sections in a diagnostic center. One wrong ingredient and it can create a mess. Here comes our Popular Diagnostic Management System. Everything from patient to nurse's information are taken care of by this diagnostic management system. Operations becomes more organized and less-time consuming. In this system there are some managements will be highly focused. Such as, patient details, doctor details, nurse details, receptionist details, employees details etc. Here the user can modify and create any type of changes in this system from anywhere and manage things easily.

## **CASE STUDY**

Our Popular Diagnostic Management System helps in registering information about Doctors, Patients, Nurse, Employees, Receptionist and others. A unique id is generated for each patient after registration. Their name, age, phone, address, gender and Date of birth are also registered for implementing customer relationship management and maintains medical history of patient. Patients and doctor's relation are connected through treatment. For this system, we generate a unique id for each doctor. For making the system well managed, we store Doctors id, Doctors name, phone, mail, qualification, department and address. Our nurses assist our doctors. For our nurse, we separately store their name, mail, phone, id, address and for our employees we store their name, post, phone, id, department. It also deals with Receptionist which store Receptionists id, patient arrival date, admit patients, generate doctor's appointment, patients discharging date and billing the patient. Receptions are connected with patients through the relation subsistence. Receptions are also supervised by Employee section.

## ER-DIAGRAM



## **NORMALIGATION**

**Treatment** (D\_id, address, D\_name, D\_e-mail, qualification, D\_phone, Department, P\_id, P\_name, P\_D.O.B, P\_age, P\_phone, P\_gender, P\_address)

### **1 NF:**

Phone multivalued attribute.

### **2 NF:**

D\_id, address, D\_name, D\_e-mail, qualification, D\_phone, Department

P\_id, P\_name, P\_D.O.B, P\_age, P\_phone, P\_gender, P\_address

DP\_id, D\_id, P\_id

### **3 NF:**

D\_id, address, D\_name, D\_e-mail, qualification, D\_phone, Department

P\_id, P\_name, P\_phone, P\_gender, P\_address , IDA

DP\_id, D\_id, P\_id

IDA, P\_D.O.B, P\_age

### **Table:**

D\_id, address, D\_name, D\_e-mail, qualification, D\_phone, Department

P\_id, P\_name, P\_phone, P\_gender, P\_address , IDA

DP\_id, D\_id, P\_id

IDA, P\_DOB, P\_age

**Assist** (D\_id, address, D\_name, D\_e-mail, qualification, D\_phone, Department, N\_id, N\_name, N\_phone, N\_address, N\_e-mail)

### **1 NF:**

Phone multivalued attribute.

### **2 NF:**

D\_id, address, D\_name, D\_e-mail, qualification, D\_phone, Department

N\_id, N\_name, N\_phone, N\_address, N\_e-mail

DN\_id, D\_id, N\_id

### **3 NF:**

D\_id, address, D\_name, D\_e-mail, qualification, D\_phone, Department

N\_id, N\_name, N\_phone, N\_address, N\_e-mail

DN\_id, D\_id, N\_id

No transitive dependency.

**Table:**

D\_id, address, D\_name, D\_e-mail, qualification, D\_phone, Department

N\_id, N\_name, N\_phone, N\_address, N\_e-mail

DN\_id, D\_id, N\_id

**Aid** (N\_id, N\_name, N\_phone, N\_address, N\_e-mail, P\_id, P\_name, P\_D.O.B, P\_age, P\_phone, P\_gender, P\_address )

**1 NF:**

Phone multivalued attribute.

**2 NF:**

N\_id, N\_name, N\_phone, N\_address, N\_e-mail

P\_id, P\_name, P\_D.O.B, P\_age, P\_phone, P\_gender, P\_address

NP\_id, N\_id, P\_id

**3 NF:**

N\_id, N\_name, N\_phone, N\_address, N\_e-mail

P\_id, P\_name, P\_phone, P\_gender, P\_address, IDA

NP\_id, N\_id, P\_id

IDA, P\_D.O.B, P\_age

**Table:**

N\_id, N\_name, N\_phone, N\_address, N\_e-mail

P\_id, P\_name, P\_phone, P\_gender, P\_address, IDA

NP\_id, N\_id, P\_id

IDA, P\_D.O.B, P\_age

**Subsistence** (P\_id, P\_name, P\_D.O.B, P\_age, P\_phone, P\_gender, P\_address, R\_id, Bill, Discharge date, Admit\_patient, Doctor appointment, Patient arrival date)

**1 NF:**

Phone multivalued attribute.

**2 NF:**

P\_id, P\_name, P\_D.O.B, P\_age, P\_phone, P\_gender, P\_address

R\_id, Bill, Discharge date, Admit\_patient, Doctor appointment, Patient arrival date

PR\_id, P\_id, R\_id

**3 NF:**

P\_id, P\_name, P\_phone, P\_gender, P\_address, IDA

R\_id, Bill, Discharge date, Admit\_patient, Doctor appointment, Patient arrival date

PR\_id, P\_id, R\_id

IDA, P\_D.O.B, P\_age

**Table:**

P\_id, P\_name, , P\_phone, P\_gender, P\_address, IDA

R\_id, Bill, Discharge date, Admit\_patient, Doctor appointment, Patient arrival date

PR\_id, P\_id, R\_id

IDA, P\_D.O.B, P\_age

**Supervice** (E\_id, E\_name, E\_phone, E\_department, E\_post, R\_id, Patient arrival date, Doctor appointment, Admit\_patient, Discharge\_date, Bill)

**1 NF:**

Phone multivalued attribute.

**2 NF:**

E\_id, E\_name, E\_phone, E\_department, E\_post

R\_id, Patient arrival date, Doctor appointment, Admit\_patient, Discharge\_date, Bill

ER\_id, E\_id, R\_id

**3 NF:**

E\_id, E\_name, E\_phone, E\_department, E\_post

R\_id, Patient arrival date, Doctor appointment, Admit\_patient, Discharge\_date, Bill

ER\_id, E\_id, R\_id

No transitive dependency.

**Table:**

E\_id, E\_name, E\_phone, E\_department, E\_post

R\_id, Patient arrival date, Doctor appointment, Admit\_patient, Discharge\_date, Bill

ER\_id, E\_id, R\_id

**Total table:**

~~D\_id, address, D\_name, D\_e-mail, qualification, D\_phone, Department~~

~~P\_id, P\_name, P\_phone, P\_gender, P\_address, IDA~~

~~DP\_id, D\_id, P\_id~~

~~IDA, P\_DOB, P\_age~~

D\_id, address, D\_name, D\_e-mail, qualification, D\_phone, Department

~~N\_id, N\_name, N\_phone, N\_address, N\_e-mail~~

DN\_id, D\_id, N\_id

N\_id, N\_name, N\_phone, N\_address, N\_e-mail

~~P\_id, P\_name, P\_phone, P\_gender, P\_address, IDA~~

NP\_id, N\_id, P\_id

~~IDA, P\_D.O.B, P\_age~~

P\_id, P\_name, , P\_phone, P\_gender, P\_address, IDA

~~R\_id, Bill, Discharge date, Admit\_patient, Doctor appointment, Patient arrival date~~

PR\_id, P\_id, R\_id

~~IDA, P\_D.O.B, P\_age~~

E\_id, E\_name, E\_phone, E\_department, E\_post

R\_id, Patient arrival date, Doctor appointment, Admit\_patient, Discharge\_date, Bill

ER\_id, E\_id, R\_id

**Final table:**

DP\_id, D\_id, P\_id : DOCTOR\_PATIENT\_ID\_INFO

D\_id, Address, D\_name, D\_e-mail, qualification, D\_phone, Department: DOCTOR\_INFO

DN\_id, D\_id, N\_id : ASSIST\_ID\_INFO

N\_id, N\_name, N\_phone, N\_address, N\_e-mail : NURSE\_INFO

NP\_id, N\_id, P\_id : AID\_ID\_INFO

P\_id, P\_name, P\_phone, P\_gender, P\_address, IDA : PATIENT\_INFO

PR\_id, P\_id, R\_id : SUBSISTENCE\_ID\_INFO

IDA, P\_D.O.B, P\_age : PATIENT\_ADDITAONAL\_INFO

E\_id, E\_name, E\_phone, E\_department, E\_post : EMPLOYEE\_INFO

R\_id, Patient arrival date, Doctor appointment, Admit\_patient, Discharge\_date, Bill:  
RECEPTIONIST\_INFO

ER\_id, E\_id, R\_id: SUPERVICE\_ID\_INFO



# TABLE CREATION AND DATA INSERTATION

## TABLE CREATION: DOCTOR\_INFO

User: HR

Home > SQL > SQL Commands

Autocommit Display 10

```
Create table DOCTOR_INFO(  
D_id Number(8) constraint D_ID primary key,  
D_NAME Varchar2(40) NOT NULL,  
D_Phone Number(15) NOT NULL,  
D_e_mali Varchar2(70) NOT NULL,  
Address Varchar2(100) NOT NULL,  
Qualification Varchar2(100) NOT NULL,  
Department Varchar2(35) NOT NULL  
)  
desc Doctor info
```

Results Explain Describe Saved SQL History

Object Type TABLE Object DOCTOR\_INFO

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DOCTOR_INFO	D_ID	Number	-	8	0	1	-	-	-
	D_NAME	Varchar2	40	-	-	-	-	-	-
	D_PHONE	Number	-	15	0	-	-	-	-
	D_E_MALI	Varchar2	70	-	-	-	-	-	-
	ADDRESS	Varchar2	100	-	-	-	-	-	-
	QUALIFICATION	Varchar2	100	-	-	-	-	-	-
	DEPARTMENT	Varchar2	35	-	-	-	-	-	-

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## TABLE INSERTATION: DOCTOR\_INFO

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Home > SQL > SQL Commands

Autocommit Display 10

```
insert into Doctor_INFO values (11001, 'DR. ASIF AKRAM',01711000113,'habibur01@doctor.pdc','Kuril_Dhaka','MBBS_MS(Ortho)','Cardiology')  
insert into Doctor_INFO values (11002, 'DR. PARTHO BARUA',01922352564,'partho12@doctor.pdc','Uttara_Dhaka','MBBS_MS(Ortho)','Cardiology')  
insert into Doctor_INFO values (11003, 'DR. FARHANA NASRINE',01613256783,'farhana@doctor.pdc','Badda_Dhaka','MBBS_DMU_ADMU','Sonologist')  
insert into Doctor_INFO values (11004, 'DR. MITHILA JAMAN',01713243321,'mithilajaman@doctor.pdc','Gulshan_Dhaka','MBBS.FCPS(Medicine)','Neurology')  
insert into Doctor_INFO values (11005, 'DR. DURJOY GHOSH',01912345678,'durjoy001@doctor.pdc','Azimpur_Dhaka','MBBS.FCPS(Medicine)','Neurology')  
insert into Doctor_INFO values (11006, 'DR. AFROZA JAHAN',01722145673,'drafroza@doctor.pdc','Gabtali_Bogura','MBBS, MCPS, DCH','CHILD/PEDIATRIC')  
insert into Doctor_INFO values (11007, 'DR. TAHSAN KHAN',01711000166,'tahsankhan@doctor.pdc','Sonatala_Bogura','MSC In Nutrition And Food Science','NUTRITIONIST')  
insert into Doctor_INFO values (11008, 'DR. DILRUBA KHANOM',01934567891,'dilruba@doctor.pdc','Kuril_Dhaka','MBBS_MS(Ortho)','Cardiology')  
insert into Doctor_INFO values (11009, 'DR. ARIF HASAN',01511000113,'arif12@doctor.pdc','Hathazari_Chattogram','BSC (Honus), MSC (Food & Nutrition)','Nutritionist')  
insert into Doctor_INFO values (11010, 'DR. SARIFUL ISLAM',01611045673,'sarifulis@doctor.pdc','Mirpur_Dhaka','MBBS_MS(Ortho)','Orthopedics')  
select * from DOCTOR_INFO
```

Results Explain Describe Saved SQL History

D_ID	D_NAME	D_PHONE	D_E_MALI	ADDRESS	QUALIFICATION	DEPARTMENT
11001	DR. ASIF AKRAM	1711000113	habibur01@doctor.pdc	Kuril_Dhaka	MBBS_MS(Ortho)	Cardiology
11002	DR. PARTHO BARUA	1922352564	partho12@doctor.pdc	Uttara_Dhaka	MBBS_MS(Ortho)	Cardiology
11003	DR. FARHANA NASRINE	1613256783	farhana@doctor.pdc	Badda_Dhaka	MBBS_DMU_ADMU	Sonologist
11004	DR. MITHILA JAMAN	1713243321	mithilajaman@doctor.pdc	Gulshan_Dhaka	MBBS.FCPS(Medicine)	Neurology
11005	DR. DURJOY GHOSH	1912345678	durjoy001@doctor.pdc	Azimpur_Dhaka	MBBS.FCPS(Medicine)	Neurology
11006	DR. AFROZA JAHAN	1722145673	drafroza@doctor.pdc	Gabtali_Bogura	MBBS, MCPS, DCH	CHILD/PEDIATRIC
11007	DR. TAHSAN KHAN	1711000166	tahsankhan@doctor.pdc	Sonatala_Bogura	MSC In Nutrition And Food Science	NUTRITIONIST
11008	DR. DILRUBA KHANOM	1934567891	dilruba@doctor.pdc	Kuril_Dhaka	MBBS_MS(Ortho)	Cardiology
11009	DR. ARIF HASAN	1511000113	arif12@doctor.pdc	Hathazari_Chattogram	BSC (Honus), MSC (Food & Nutrition)	Nutritionist
11010	DR. SARIFUL ISLAM	1611045673	sarifulis@doctor.pdc	Mirpur_Dhaka	MBBS_MS(Ortho)	Orthopedics

10 rows returned in 0.27 seconds [CSV Export](#)

## TABLE CREATION: NURSE\_INFO

SQL Commands

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ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

Create table NURSE\_INFO(  
N\_ID Number(5) constraint N\_ID primary key,  
N\_NAME Varchar2(40) NOT NULL,  
N\_EMAIL Varchar2(45) NOT NULL,  
N\_PHONE Number(13),  
N\_ADDRESS Varchar2(50) NOT NULL  
)  
  
desc NURSE\_INFO;

Results Explain Describe Saved SQL History

Object Type TABLE Object NURSE\_INFO

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
NURSE_INFO	N_ID	Number	-	5	0	1	-	-	-
	N_NAME	Varchar2	40	-	-	-	-	-	-
	N_EMAIL	Varchar2	45	-	-	-	-	-	-
	N_PHONE	Number	-	13	0	-	✓	-	-
	N_ADDRESS	Varchar2	50	-	-	-	-	-	-
1 - 5									

Language: en-us

## TABLE INSERTATION: NURSE\_INFO

SQL Commands

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ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

insert into NURSE\_INFO values (33001, 'FARYA TASNIM','faryatasnim@nurse.pdc',01710000001,'BASHUNDHARA\_D\_BLOCK\_DHAKA');  
insert into NURSE\_INFO values (33002, 'AHONA JAMAN','ahonajaman@nurse.pdc',01710000002,'KURIL , DHAKA');  
insert into NURSE\_INFO values (33003, 'MIM HAQUE','haquemim@nurse.pdc',01910000001,'BASHUNDHARA A BLOCK , DHAKA');  
insert into NURSE\_INFO values (33004, 'MEHJABIN SHILA','mehjabinshila@nurse.pdc',01910000002,'GULSAHN 2, DHAKA');  
insert into NURSE\_INFO values (33005, 'NILA RAHMAN','rahmannila@nurse.pdc',01810000001,'MERUL BADDA, DHAKA');  
insert into NURSE\_INFO values (33006, 'DIPA BARUA','dipabarua@nurse.pdc',01810000002,'KALACHANDPUR, KURIL, DHAKA');  
insert into NURSE\_INFO values (33007, 'SONIA AKHTAR','soniaakhtar@nurse.pdc',01610000001,'AIRPORT ROAD, DHAKA');  
insert into NURSE\_INFO values (33008, 'NIAROB KHAN','khanniarobi@nurse.pdc',01610000002,'GULSHAN 2, DHAKA');  
insert into NURSE\_INFO values (33009, 'SHERYA GHOSHAL','sheryaghoshal@nurse.pdc',01410000001,'BASHUNDHARA C BLOCK , DHAKA');  
insert into NURSE\_INFO values (33010, 'MONALY THAGORE','thagoremonaly@nurse.pdc',01310000001,'NORTH BADDA , DHAKA');

select \* from NURSE\_INFO

Results Explain Describe Saved SQL History

N_ID	N_NAME	N_EMAIL	N_PHONE	N_ADDRESS
33001	FARYA TASNIM	faryatasnim@nurse.pdc	1710000001	BASHUNDHARA_D_BLOCK_DHAKA
33002	AHONA JAMAN	ahonajaman@nurse.pdc	1710000002	KURIL , DHAKA
33003	MIM HAQUE	haquemim@nurse.pdc	1910000001	BASHUNDHARA A BLOCK , DHAKA
33004	MEHJABIN SHILA	mehjabinshila@nurse.pdc	1910000002	GULSAHN 2, DHAKA
33005	NILA RAHMAN	rahmannila@nurse.pdc	1810000001	MERUL BADDA, DHAKA
33006	DIPA BARUA	dipabarua@nurse.pdc	1810000002	KALACHANDPUR, KURIL, DHAKA
33007	SONIA AKHTAR	soniaakhtar@nurse.pdc	1610000001	AIRPORT ROAD, DHAKA
33008	NIAROB KHAN	khanniarobi@nurse.pdc	1610000002	GULSHAN 2, DHAKA
33009	SHERYA GHOSHAL	sheryaghoshal@nurse.pdc	1410000001	BASHUNDHARA C BLOCK , DHAKA
33010	MONALY THAGORE	thagoremonaly@nurse.pdc	1310000001	NORTH BADDA , DHAKA

10 rows returned in 0.00 seconds CSV Export

Language: en-us

## TABLE CREATION: EMPLOYEE\_INFO

SQL Commands

127.0.0.1:8080/apex/f?p=4500:1003:3577033960419119::NO::

ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

Create table EMPLOYEE\_INFO (  
E\_ID Number(5) constraint E\_ID primary key,  
E\_PHONE Number(13),  
E\_NAME Varchar2(40) NOT NULL,  
E\_Department Varchar2(45) NOT NULL,  
E\_post Varchar2(50) NOT NULL  
)  
desc EMPLOYEE\_INFO

Results Explain Describe Saved SQL History

Object Type TABLE Object EMPLOYEE\_INFO

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMPLOYEE_INFO	E_ID	Number	-	5	0	1	-	-	-
	E_PHONE	Number	-	13	0	-	✓	-	-
	E_NAME	Varchar2	40	-	-	-	-	-	-
	E_DEPARTMENT	Varchar2	45	-	-	-	-	-	-
	E_POST	Varchar2	50	-	-	-	-	-	-

1 - 5

Language: en-us

## TABLE INSERTATION: EMPLOYEE\_INFO

SQL Commands

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ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

Insert into EMPLOYEE\_INFO values (44001,01313000113,'Jamal','Administration','Manager')  
Insert into EMPLOYEE\_INFO values (44002,01313000114,'Hasan','Administration','Assistant\_Manager')  
Insert into EMPLOYEE\_INFO values (44003,01313000115,'Safik','Administration','IT Manager')  
Insert into EMPLOYEE\_INFO values (44004,01313000116,'Sakib','Tactical\_Support','Technician')  
Insert into EMPLOYEE\_INFO values (44005,01313000117,'Amit','Tactical\_Support','Assistant\_Technician')  
Insert into EMPLOYEE\_INFO values (44006,01313000118,'Sagor','Reception','Receptionist')  
Insert into EMPLOYEE\_INFO values (44007,01313000119,'Riyed','Reception','Receptionist')  
Insert into EMPLOYEE\_INFO values (44008,01313000120,'Simanto','Marketing','C.A')  
Insert into EMPLOYEE\_INFO values (44009,01313000121,'Raihan','Administration','HR Manager')  
Insert into EMPLOYEE\_INFO values (44010,01313000122,'Nahid','Security','Watchman')  
  
select \*from EMPLOYEE\_INFO

Results Explain Describe Saved SQL History

E_ID	E_PHONE	E_NAME	E_DEPARTMENT	E_POST
44001	1313000113	Jamal	Administration	Manager
44002	1313000114	Hasan	Administration	Assistant_Manager
44003	1313000115	Safik	Administration	IT Manager
44004	1313000116	Sakib	Tactical_Support	Technician
44005	1313000117	Amit	Tactical_Support	Assistant_Technician
44006	1313000118	Sagor	Reception	Receptionist
44007	1313000119	Riyed	Reception	Receptionist
44008	1313000120	Simanto	Marketing	C.A
44009	1313000121	Raihan	Administration	HR Manager
44010	1313000122	Nahid	Security	Watchman

10 rows returned in 0.00 seconds CSV Export

Language: en-us

## TABLE CREATION: PATIENT\_INFO

SQL Commands

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ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

Create table PATIENT\_INFO(  
P\_ID Number(5) constraint P\_ID primary key,  
P\_NAME Varchar2(40) NOT NULL,  
P\_GENDER Varchar2(10) NOT NULL,  
P\_PHONE Number(13),  
P\_ADDRESS Varchar2(50) NOT NULL,  
IDA Number(4)  
)  
desc PATIENT\_INFO;

Results Explain Describe Saved SQL History

Object Type	TABLE	Object	PATIENT_INFO						
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PATIENT_INFO	P_ID	Number	-	5	0	1	-	-	-
	P_NAME	Varchar2	40	-	-	-	-	-	-
	P_GENDER	Varchar2	10	-	-	-	-	-	-
	P_PHONE	Number	-	13	0	-	✓	-	-
	P_ADDRESS	Varchar2	50	-	-	-	-	-	-
	IDA	Number	-	4	0	-	✓	-	-
1 - 6									

Language: en-us

## TABLE INSERTATION: PATIENT\_INFO

SQL Commands

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ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

insert into PATIENT\_INFO values (22001, 'MD. HABIBUR RAHMAN','MALE',01700000001,'DHANMONDI 32, DHAKA',111);  
insert into PATIENT\_INFO values (22002, 'ANAMUL HOSSAIN','MALE',01700000002,'BASHUNDHARA D BLOCK , DHAKA',112);  
insert into PATIENT\_INFO values (22003, 'DEBASH SARKAR','MALE',01800000001,'MIRPUR 10 , DHAKA',113);  
insert into PATIENT\_INFO values (22004, 'FARJANA RAHMAN','FEMALE',01800000002,'TEJKUNIPARA , TEJGAON , DHAKA',114);  
insert into PATIENT\_INFO values (22005, 'TONMOY DEE','MALE',01900000001,'MERUL BADDA , DHAKA',115);  
insert into PATIENT\_INFO values (22006, 'MD. BEZIR HASSAN','MALE',01900000002,'SHAHBAG , DAHAKA',116);  
insert into PATIENT\_INFO values (22007, 'RUPA AHMED','FEMALE',01400000001,'KURIL , DHAKA',117);  
insert into PATIENT\_INFO values (22008, 'AMIT KARMOKAR','MALE',01400000002,'DIT ROAD , BADDA , DHAKA',118);  
insert into PATIENT\_INFO values (22009, 'SHAHRIAR KOBIR','MALE',01300000001,'KAZIPARA , MIRPUR , DHAKA',119);  
insert into PATIENT\_INFO values (22010, 'NOURISH SHARMINE','FEMALE',01300000002,'TALTOLA , MIRPUR 10 , DHAKA',120);  
  
select \* from PATIENT\_INFO

Results Explain Describe Saved SQL History

P_ID	P_NAME	P_GENDER	P_PHONE	P_ADDRESS	IDA
22001	MD. HABIBUR RAHMAN	MALE	1700000001	DHANMONDI 32, DHAKA	111
22002	ANAMUL HOSSAIN	MALE	1700000002	BASHUNDHARA D BLOCK , DHAKA	112
22003	DEBASH SARKAR	MALE	1800000001	MIRPUR 10 , DHAKA	113
22004	FARJANA RAHMAN	FEMALE	1800000002	TEJKUNIPARA , TEJGAON , DHAKA	114
22005	TONMOY DEE	MALE	1900000001	MERUL BADDA , DHAKA	115
22006	MD. BEZIR HASSAN	MALE	1900000002	SHAHBAG , DAHAKA	116
22007	RUPA AHMED	FEMALE	1400000001	KURIL , DHAKA	117
22008	AMIT KARMOKAR	MALE	1400000002	DIT ROAD , BADDA , DHAKA	118
22009	SHAHRIAR KOBIR	MALE	1300000001	KAZIPARA , MIRPUR , DHAKA	119
22010	NOURISH SHARMINE	FEMALE	1300000002	TALTOLA , MIRPUR 10 , DHAKA	120

10 rows returned in 0.03 seconds [CSV Export](#)

Language: en-us

## TABLE CREATION: PATIENT\_ADDITIONAL\_INFO

SQL Commands

127.0.0.1:8080/apex/f?p=4500:1003:3577033960419119::NO::

ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

Create table PATIENT\_ADDITIONAL\_INFO(  
IDA Number(5) constraint IDA primary key,  
P\_DATE\_OF\_BIRTH Date,  
P\_AGE Number(5) NOT NULL  
)  
  
desc PATIENT\_ADDITIONAL\_INFO

Results Explain Describe Saved SQL History

Object Type TABLE Object PATIENT\_ADDITIONAL\_INFO

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PATIENT_ADDITIONAL_INFO	IDA	Number	-	5	0	1	-	-	-
	P_DATE_OF_BIRTH	Date	7	-	-	-	✓	-	-
	P_AGE	Number	-	5	0	-	-	-	-
1 - 3									

Language: en-us

## TABLE INSERTATION: PATIENT\_ADDITIONAL\_INFO

SQL Commands

127.0.0.1:8080/apex/f?p=4500:1003:3577033960419119::NO::

ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

Insert into PATIENT\_ADDITIONAL\_INFO values(111,'17-OCT-1988',32)  
Insert into PATIENT\_ADDITIONAL\_INFO values(112,'10-MAY-1992',28)  
Insert into PATIENT\_ADDITIONAL\_INFO values(113,'10-OCT-1968',52)  
Insert into PATIENT\_ADDITIONAL\_INFO values(114,'15-NOV-1988',32)  
Insert into PATIENT\_ADDITIONAL\_INFO values(115,'02-JUN-1975',45)  
Insert into PATIENT\_ADDITIONAL\_INFO values(116,'24-JUL-1955',65)  
Insert into PATIENT\_ADDITIONAL\_INFO values(117,'05-MAR-1984',36)  
Insert into PATIENT\_ADDITIONAL\_INFO values(118,'15-AUG-1996',24)  
Insert into PATIENT\_ADDITIONAL\_INFO values(119,'11-SEP-1982',38)  
Insert into PATIENT\_ADDITIONAL\_INFO values(120,'16-MAR-1978',42)  
  
select \*from PATIENT\_ADDITIONAL\_INFO

Results Explain Describe Saved SQL History

IDA	P_DATE_OF_BIRTH	P_AGE
111	17-OCT-88	32
112	10-MAY-92	28
113	10-OCT-68	52
114	15-NOV-88	32
115	02-JUN-75	45
116	24-JUL-55	65
117	05-MAR-84	36
118	15-AUG-96	24
119	11-SEP-82	38
120	16-MAR-78	42

10 rows returned in 0.00 seconds CSV Export

Language: en-us

## TABLE CREATION: RECEPTIONST\_INFO

SQL Commands

127.0.0.1:8080/apex/f?p=4500:1003:3577033960419119::NO::

ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

Create table RECEPTIONIST\_INFO(  
R\_id Number(5) constraint R\_ID primary key,  
ADMIT\_PATIENT Varchar2(50) NOT NULL,  
DOCTOR\_APPOINTMENT Varchar2(50) NOT NULL,  
PATIENT\_ARRIVAL\_DATE Date ,  
DISCHARGE\_DATE Date,  
BILL Number(7,2)  
)  
  
desc RECEPTIONIST\_INFO;

Results Explain Describe Saved SQL History

Object Type TABLE Object RECEPTIONIST\_INFO

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
RECEPTIONIST_INFO	R_ID	Number	-	5	0	1	-	-	-
	ADMIT_PATIENT	Varchar2	50	-	-	-	-	-	-
	DOCTOR_APPOINTMENT	Varchar2	50	-	-	-	-	-	-
	PATIENT_ARRIVAL_DATE	Date	7	-	-	-	✓	-	-
	DISCHARGE_DATE	Date	7	-	-	-	✓	-	-
	BILL	Number	-	7	2	-	✓	-	-
1 - 6									

A

## TABLE INSERTATION: RECEPTIONST\_INFO

SQL Commands

127.0.0.1:8080/apex/f?p=4500:1003:3577033960419119::NO::

ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

insert into RECEPTIONIST\_INFO values (55001, 'MD. HABIBUR RAHMAN','DR. ASIF AKRAM','01-JAN-2021','06-JAN-2021', 7000.00);  
insert into RECEPTIONIST\_INFO values (55002, 'ANAMUL HOSSAIN','DR. FARHANA NASRINE','01-JAN-2021','03-JAN-2021', 3590.00);  
insert into RECEPTIONIST\_INFO values (55003, 'DEBASH SARKAR','DR. PARTHO BARUA','06-JAN-2021','08-JAN-2021', 2930.00);  
insert into RECEPTIONIST\_INFO values (55004, 'FARJANA RAHMAN','DR. FARHANA NASRINE','07-JAN-2021','14-JAN-2021', 35490.00);  
insert into RECEPTIONIST\_INFO values (55005, 'TONMOY DEE','DR. MITHILA JAMAN','07-JAN-2021','07-JAN-2021', 1000.00);  
insert into RECEPTIONIST\_INFO values (55006, 'MD. BEZIR HASSAN','DR. DURJOY GHOSH','08-FEB-2021','15-FEB-2021', 4800.00);  
insert into RECEPTIONIST\_INFO values (55007, 'RUPA AHMED','DR. AFROZA JAHAN','05-MAR-2021','08-MAR-2021', 1500.00);  
insert into RECEPTIONIST\_INFO values (55008, 'AMIT KARMOKAR','DR. TAHSAN KHAN','05-MAR-2021','11-MAR-2021', 12000.00);  
insert into RECEPTIONIST\_INFO values (55009, 'SHAHRIAR KOBIR','DR. ASIF AKRAM','15-MAR-2021','25-MAR-2021', 12850.00);  
insert into RECEPTIONIST\_INFO values (55010, 'NOURISH SHARMINE','DR. DILRUBA KHANOM','16-MAR-2021','21-MAR-2021', 6900.00);  
  
select \* from RECEPTIONIST\_INFO;

Results Explain Describe Saved SQL History

R_ID	ADMIT_PATIENT	DOCTOR_APPOINTMENT	PATIENT_ARRIVAL_DATE	DISCHARGE_DATE	BILL
55001	MD. HABIBUR RAHMAN	DR. ASIF AKRAM	01-JAN-21	06-JAN-21	7000
55002	ANAMUL HOSSAIN	DR. FARHANA NASRINE	01-JAN-21	03-JAN-21	3590
55003	DEBASH SARKAR	DR. PARTHO BARUA	06-JAN-21	08-JAN-21	2930
55004	FARJANA RAHMAN	DR. FARHANA NASRINE	07-JAN-21	14-JAN-21	35490
55005	TONMOY DEE	DR. MITHILA JAMAN	07-JAN-21	07-JAN-21	1000
55006	MD. BEZIR HASSAN	DR. DURJOY GHOSH	08-FEB-21	15-FEB-21	4800
55007	RUPA AHMED	DR. AFROZA JAHAN	05-MAR-21	08-MAR-21	1500
55008	AMIT KARMOKAR	DR. TAHSAN KHAN	05-MAR-21	11-MAR-21	12000
55009	SHAHRIAR KOBIR	DR. ASIF AKRAM	15-MAR-21	25-MAR-21	12850
55010	NOURISH SHARMINE	DR. DILRUBA KHANOM	16-MAR-21	21-MAR-21	6900

10 rows returned in 0.11 seconds [CSV Export](#)

## TABLE CREATION: DOCTOR\_PATIENT\_ID\_INFO

SQL Commands

127.0.0.1:8080/apex/f?p=4500:1003:3577033960419119::NO::

ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

```
create table DOCTOR_PATIENT_ID_INFO(  
DP_ID Number(5) constraint DP_ID primary key,  
D_ID Number(5),  
P_ID Number(5)  
);  
  
desc DOCTOR_PATIENT_ID_INFO;
```

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **DOCTOR\_PATIENT\_ID\_INFO**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DOCTOR_PATIENT_ID_INFO	DP_ID	Number	-	5	0	1	-	-	-
	D_ID	Number	-	5	0	-	✓	-	-
	P_ID	Number	-	5	0	-	✓	-	-

1 - 3

Language: en-us

## TABLE INSERTATION: DOCTOR\_PATIENT\_ID\_INFO

SQL Commands

127.0.0.1:8080/apex/f?p=4500:1003:3577033960419119::NO::

ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

```
insert into DOCTOR_PATIENT_ID_INFO values (1,11001,22001);  
insert into DOCTOR_PATIENT_ID_INFO values (2,11002,22002);  
insert into DOCTOR_PATIENT_ID_INFO values (3,11003,22003);  
insert into DOCTOR_PATIENT_ID_INFO values (4,11004,22004);  
insert into DOCTOR_PATIENT_ID_INFO values (5,11005,22005);  
insert into DOCTOR_PATIENT_ID_INFO values (6,11006,22006);  
insert into DOCTOR_PATIENT_ID_INFO values (7,11007,22007);  
insert into DOCTOR_PATIENT_ID_INFO values (8,11008,22008);  
insert into DOCTOR_PATIENT_ID_INFO values (9,11009,22009);  
insert into DOCTOR_PATIENT_ID_INFO values (10,11010,22010);  
  
select * from DOCTOR_PATIENT_ID_INFO;
```

Results Explain Describe Saved SQL History

DP_ID	D_ID	P_ID
1	11001	22001
2	11002	22002
3	11003	22003
4	11004	22004
5	11005	22005
6	11006	22006
7	11007	22007
8	11008	22008
9	11009	22009
10	11010	22010

10 rows returned in 0.04 seconds [CSV Export](#)



## TABLE CREATION: SUBSISTENCE\_ID\_INFO

SQL Commands

127.0.0.1:8080/apex/f?p=4500:1003:3577033960419119::NO::

ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

```
create table SUBSISTENCE_ID_INFO(  
PR_ID Number(5) constraint PR_ID primary key,  
P_ID Number(5),  
R_ID Number(5)  
);  
  
desc SUBSISTENCE_ID_INFO;
```

Results Explain Describe Saved SQL History

Object Type	TABLE	Object	SUBSISTENCE_ID_INFO	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
	SUBSISTENCE_ID_INFO			PR_ID	Number	-	5	0	1	-	-	-
				P_ID	Number	-	5	0	-	✓	-	-
				R_ID	Number	-	5	0	-	✓	-	-
1 - 3												

Language: en-us

## TABLE INSERTATION: SUBSISTENCE\_ID\_INFO

SQL Commands

127.0.0.1:8080/apex/f?p=4500:1003:3577033960419119::NO::

ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

```
insert into SUBSISTENCE_ID_INFO values (1,22001,55001);  
insert into SUBSISTENCE_ID_INFO values (2,22002,55002);  
insert into SUBSISTENCE_ID_INFO values (3,22003,55003);  
insert into SUBSISTENCE_ID_INFO values (4,22004,55004);  
insert into SUBSISTENCE_ID_INFO values (5,22005,55005);  
insert into SUBSISTENCE_ID_INFO values (6,22006,55006);  
insert into SUBSISTENCE_ID_INFO values (7,22007,55007);  
insert into SUBSISTENCE_ID_INFO values (8,22008,55008);  
insert into SUBSISTENCE_ID_INFO values (9,22009,55009);  
insert into SUBSISTENCE_ID_INFO values (10,22010,55010);  
  
select * from SUBSISTENCE_ID_INFO;
```

Results Explain Describe Saved SQL History

PR_ID	P_ID	R_ID
1	22001	55001
2	22002	55002
3	22003	55003
4	22004	55004
5	22005	55005
6	22006	55006
7	22007	55007
8	22008	55008
9	22009	55009
10	22010	55010

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



## TABLE CREATION: SUPERVICE\_ID\_INFO

SQL Commands

127.0.0.1:8080/apex/f?p=4500:1003:3577033960419119::NO::

ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

```
create table SUPERVICE_ID_INFO(  
ER_ID Number(5) constraint ER_ID primary key,  
E_ID Number(5),  
R_ID Number(5)  
);  
  
desc SUPERVICE_ID_INFO;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object SUPERVICE\_ID\_INFO

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
SUPERVICE_ID_INFO	ER_ID	Number	-	5	0	1	-	-	-
	E_ID	Number	-	5	0	-	✓	-	-
	R_ID	Number	-	5	0	-	✓	-	-
									1 - 3

Language: en-us

## TABLE INSERTATION: SUPERVICE\_ID\_INFO

SQL Commands

127.0.0.1:8080/apex/f?p=4500:1003:3577033960419119::NO::

ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

```
insert into SUPERVICE_ID_INFO values (1,44001,55001);  
insert into SUPERVICE_ID_INFO values (2,44002,55002);  
insert into SUPERVICE_ID_INFO values (3,44003,55003);  
insert into SUPERVICE_ID_INFO values (4,44004,55004);  
insert into SUPERVICE_ID_INFO values (5,44005,55005);  
insert into SUPERVICE_ID_INFO values (6,44006,55006);  
insert into SUPERVICE_ID_INFO values (7,44007,55007);  
insert into SUPERVICE_ID_INFO values (8,44008,55008);  
insert into SUPERVICE_ID_INFO values (9,44009,55009);  
insert into SUPERVICE_ID_INFO values (10,44010,55010);  
  
select * from SUPERVICE_ID_INFO;
```

Results Explain Describe Saved SQL History

ER_ID	E_ID	R_ID
1	44001	55001
2	44002	55002
3	44003	55003
4	44004	55004
5	44005	55005
6	44006	55006
7	44007	55007
8	44008	55008
9	44009	55009
10	44010	55010

10 rows returned in 0.06 seconds [CSV Export](#)

## TABLE CREATION: ASSIST\_ID\_INFO

SQL Commands

127.0.0.1:8080/apex/f?p=4500:1003:3577033960419119::NO::

ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

```
create table ASSIST_ID_INFO(  
DN_ID Number(5) constraint DN_ID primary key,  
D_ID Number(5),  
N_ID Number(5)  
);  
  
desc ASSIST_ID_INFO;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object ASSIST\_ID\_INFO

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
ASSIST_ID_INFO	DN_ID	Number	-	5	0	1	-	-	-
	D_ID	Number	-	5	0	-	✓	-	-
	N_ID	Number	-	5	0	-	✓	-	-

1 - 3

## TABLE INSERTATION: ASSIST\_ID\_INFO

SQL Commands

127.0.0.1:8080/apex/f?p=4500:1003:3577033960419119::

ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

```
insert into ASSIST_ID_INFO values (1,11001,33001);  
insert into ASSIST_ID_INFO values (2,11002,33002);  
insert into ASSIST_ID_INFO values (3,11003,33003);  
insert into ASSIST_ID_INFO values (4,11004,33004);  
insert into ASSIST_ID_INFO values (5,11005,33005);  
insert into ASSIST_ID_INFO values (6,11006,33006);  
insert into ASSIST_ID_INFO values (7,11007,33007);  
insert into ASSIST_ID_INFO values (8,11008,33008);  
insert into ASSIST_ID_INFO values (9,11009,33009);  
insert into ASSIST_ID_INFO values (10,11010,33010);  
  
select * from ASSIST_ID_INFO;
```

Results Explain Describe Saved SQL History

DN_ID	D_ID	N_ID
1	11001	33001
2	11002	33002
3	11003	33003
4	11004	33004
5	11005	33005
6	11006	33006
7	11007	33007
8	11008	33008
9	11009	33009
10	11010	33010

10 rows returned in 0.17 seconds [CSV Export](#)

## TABLE CREATION: AID\_ID\_INFO

SQL Commands

127.0.0.1:8080/apex/f?p=4500:1003:3577033960419119::NO::

ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

```
create table AID_ID_INFO(  
NP_ID Number(5) constraint NP_ID primary key,  
N_ID Number(5),  
P_ID Number(5)  
);  
  
desc AID_ID_INFO;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object AID\_ID\_INFO

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
AID_ID_INFO	NP_ID	Number	-	5	0	1	-	-	-
	N_ID	Number	-	5	0	-	✓	-	-
	P_ID	Number	-	5	0	-	✓	-	-

1 - 3

## TABLE INSERTATION: AID\_ID\_INFO

SQL Commands

127.0.0.1:8080/apex/f?p=4500:1003:3577033960419119::NO::

ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

```
insert into AID_ID_INFO values (1,33001,22001);  
insert into AID_ID_INFO values (2,33002,22002);  
insert into AID_ID_INFO values (3,33003,22003);  
insert into AID_ID_INFO values (4,33004,22004);  
insert into AID_ID_INFO values (5,33005,22005);  
insert into AID_ID_INFO values (6,33006,22006);  
insert into AID_ID_INFO values (7,33007,22007);  
insert into AID_ID_INFO values (8,33008,22008);  
insert into AID_ID_INFO values (9,33009,22009);  
insert into AID_ID_INFO values (10,33010,22010);  
  
select * from AID_ID_INFO;
```

Results Explain Describe Saved SQL History

NP_ID	N_ID	P_ID
1	33001	22001
2	33002	22002
3	33003	22003
4	33004	22004
5	33005	22005
6	33006	22006
7	33007	22007
8	33008	22008
9	33009	22009
10	33010	22010

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

## Queries

### JOINING

1. Display receptionist Id, admit patient, patient ID where patient arrival date is before '8-FEB-2021' and patient gender is male. Use the RECEPTIONIST\_INFO and PATIENT\_INFO table

The screenshot shows the Oracle Database Express Edition interface. The browser address bar indicates the URL `127.0.0.1:8080/apex/f?p=4500:1003:1374973219350438::NO:1003::`. The page title is "ORACLE Database Express Edition". The user is logged in as "HR". The "SQL Commands" tab is active, showing the following query:

```
select R_ID, ADMIT_PATIENT, P_ID from RECEPTIONIST_INFO r, PATIENT_INFO p
where r.PATIENT_ARRIVAL_DATE < '8-FEB-2021' and
p.P_GENDER='MALE' and
r.ADMIT_PATIENT = p.P_NAME
```

The query results are displayed in a table with the following columns: R\_ID, ADMIT\_PATIENT, and P\_ID. The results show two rows:

R_ID	ADMIT_PATIENT	P_ID
55008	AMIT KARMOKAR	22008
55009	SHAHRIAR KOBIR	22009

Below the table, it states "2 rows returned in 1.08 seconds" and provides a link for "CSV Export".

2. Display patient id, patient name, patient age where patient age is more than 32 and patient gender is Female. Use the PATIENT\_INFO and PATIENT\_ADDITIONAL\_INFO table.

ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

```
select P_ID, P_NAME, P_AGE from PATIENT_INFO p, PATIENT_ADDITIONAL_INFO pa
where pa.P_AGE > 32 and
p.P_GENDER = 'FEMALE' and
p.IDA=pa.IDA
```

**Results** Explain Describe Saved SQL History

P_ID	P_NAME	P_AGE
22007	RUPA AHMED	36
22010	NOURISH SHARMINE	42

2 rows returned in 0.50 seconds [CSV Export](#)

3. Display the receptionist id, name and phone number of appointed doctor for the patient 'SHAHRIAR KOBIR'

ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

```
select r.R_ID, r.ADMIT_PATIENT, r.DOCTOR_APPOINTMENT, d.D_PHONE from RECEPTIONIST_INFO r, DOCTOR_INFO d
where r.ADMIT_PATIENT = 'SHAHRIAR KOBIR' and
r.DOCTOR_APPOINTMENT=d.D_NAME
```

**Results** Explain Describe Saved SQL History

R_ID	ADMIT_PATIENT	DOCTOR_APPOINTMENT	D_PHONE
55009	SHAHRIAR KOBIR	DR. ASIF AKRAM	1711000113

1 rows returned in 0.08 seconds [CSV Export](#)

## SUB-QUERY

4. Display any doctor name and department from DOCTOR\_INFO whose department is same as Dr.Partho Barua

The screenshot shows the Oracle Database Express Edition interface. The user is 'HR'. The SQL command entered is: `select D_NAME,DEPARTMENT from DOCTOR_INFO where DEPARTMENT = (select DEPARTMENT from DOCTOR_INFO where D_NAME = 'DR. PARTHO BARUA')`. The results table shows three rows of doctors in the Cardiology department.

D_NAME	DEPARTMENT
DR. ASIF AKRAM	Cardiology
DR. PARTHO BARUA	Cardiology
DR. DILRUBA KHANOM	Cardiology

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

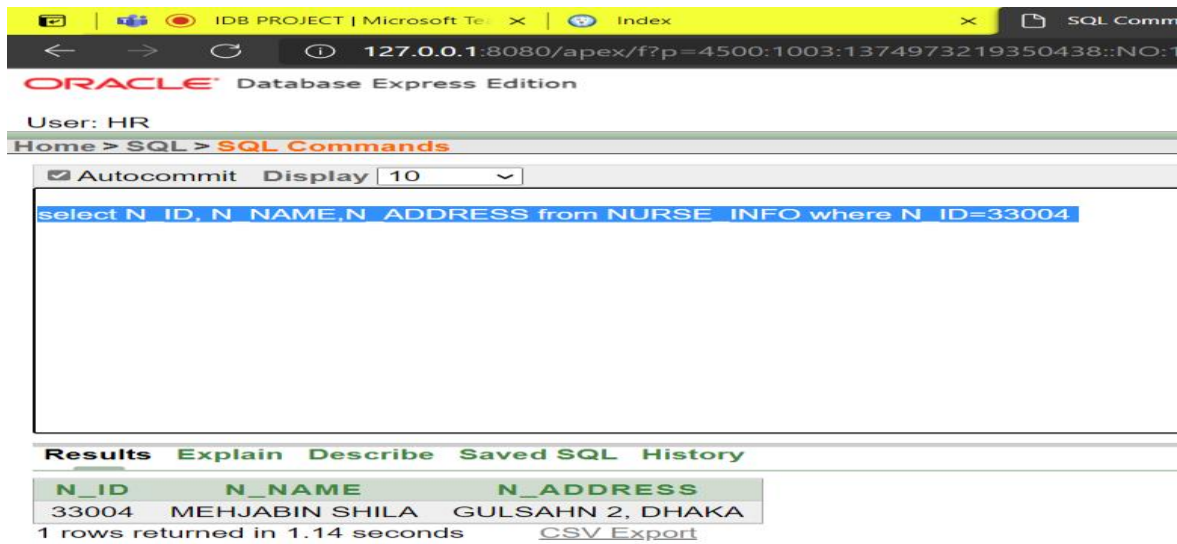
5. Find all the admit patient name, receptionist id and arrival date who admit after "FARJANA RAHMAN"

The screenshot shows the Oracle Database Express Edition interface. The user is 'HR'. The SQL command entered is: `select R_ID,ADMIT_PATIENT , PATIENT_ARRIVAL_DATE from RECEPTIONIST_INFO where F ADMIT_PATIENT ='FARJANA RAHMAN')`. The results table shows five rows of receptionist information.

R_ID	ADMIT_PATIENT	PATIENT_ARRIVAL_DATE
55010	NOURISH SHARMINE	16-MAR-21
55009	SHAHRIAR KOBIR	15-MAR-21
55008	AMIT KARMOKAR	05-MAR-21
55007	RUPA AHMED	05-MAR-21
55006	MD. BEZIR HASSAN	08-FEB-21

5 rows returned in 0.03 seconds [CSV Export](#)

6. Display the name and Address for nurse where nurse id is 33004 ?



The screenshot shows the Oracle Database Express Edition interface. The browser address bar indicates the URL `127.0.0.1:8080/apex/f?p=4500:1003:1374973219350438::NO:`. The page title is "ORACLE Database Express Edition". The user is logged in as "HR". The navigation menu shows "Home > SQL > SQL Commands". The "Autocommit" checkbox is checked, and the "Display" dropdown is set to "10". The SQL command entered is `select N_ID, N_NAME, N_ADDRESS from NURSE_INFO where N_ID=33004`. The results are displayed in a table with three columns: **N\_ID**, **N\_NAME**, and **N\_ADDRESS**. The table contains one row with the values 33004, MEHJABIN SHILA, and GULSAHN 2, DHAKA. Below the table, it states "1 rows returned in 1.14 seconds" and provides a link for "CSV Export".

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

```
select N_ID, N_NAME, N_ADDRESS from NURSE_INFO where N_ID=33004
```

**Results** Explain Describe Saved SQL History

N_ID	N_NAME	N_ADDRESS
33004	MEHJABIN SHILA	GULSAHN 2, DHAKA

1 rows returned in 1.14 seconds [CSV Export](#)

## VIEW

7. Create a view that shows Name and paid bill of those patients who had to pay bill more than average paid bill.

☒ Autocommit    Display    10    ▼

Create or Replace view view1 as select ADMIT\_PATIENT, BILL from RECEPTIONIST\_INFO where BILL > ( select avg ( BILL ) from RECEPTIONIST\_INFO )

desc view1

select \* from view1

ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit   Display 10

Create or Replace view view1 as select ADMIT\_PATIENT, BILL from RECEPTIONIST\_INFO where BILL > ( select avg ( BILL) from RECEPTIONIST\_INFO)  
desc view1  
select \* from view1

Results   Explain   Describe   Saved SQL   History

ADMIT_PATIENT	BILL
FARJANA RAHMAN	35490
AMIT KARMOKAR	12000
SHAHRIAR KOBIR	12850

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



## SINGLE ROW FUNCTION

8. Display the name and concat all the name of the nurse and their post by joining the column using concat function and show the length of name.

The screenshot shows the Oracle SQL Developer interface. The top bar includes the Oracle logo and the text "ORACLE Database Express Edition". The user is logged in as "HR". The main window displays the "SQL Commands" tab with the following query:

```
select E_NAME, concat(E_NAME , E_POST),length(E_NAME) from EMPLOYEE INFO
```

Below the query, the "Results" tab shows the output of the query. The results are displayed in a table with three columns: E\_NAME, CONCAT(E\_NAME,E\_POST), and LENGTH(E\_NAME). The table contains 10 rows of data.

E_NAME	CONCAT(E_NAME,E_POST)	LENGTH(E_NAME)
Jamal	JamalManager	5
Hasan	HasanAssistant_Manager	5
Safik	SafikIT Manager	5
Sakib	SakibTechnician	5
Amit	AmitAssistant_Technician	4
Sagor	SagorReceptionist	5
Riyed	RiyedReceptionist	5
Simanto	SimantoC.A	7
Raihan	RaihanHR Manager	6
Nahid	NahidWatchman	5

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

Language: en-us

## GROUP ROW FUNCTION

9. How many PATIENT are there?

The screenshot shows the Oracle SQL Developer interface. The top bar includes the Oracle logo and the text "ORACLE Database Express Edition". The user is logged in as "HR". The main window displays the "SQL Commands" tab with the following query:

```
select count(P_ID) from PATIENT INFO
```

Below the query, the "Results" tab shows the output of the query. The results are displayed in a table with one column: COUNT(P\_ID). The table contains 1 row of data.

COUNT(P_ID)
10

1 rows returned in 0.85 seconds [CSV Export](#)

10. List the number of employees according to their Department.

ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10

```
select count(E_ID), E_DEPARTMENT from EMPLOYEE_INFO group by E_DEPARTMENT
```

**Results** Explain Describe Saved SQL History

COUNT(E_ID)	E_DEPARTMENT
4	Administration
2	Reception
2	Tactical_Support
1	Marketing
1	Security

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

Language: en-us

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