CSE 2003

DATABASE MANAGEMENT SYSTEM



Cyclesheet – 1

L11+L12 | SJT419

FALL SEMESTER 2020-21

by

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Question 1

Create all tables in Hospital database as per the requirement given below:

- a) The primary key for each table to be created as specified (ref. database)
- b) Appropriate data type and size should be chosen for each attribute
- c) Appropriate integrity constraints should be used while creating tables (NULL, NOT NULL, FOREIGN KEY, CHECK)
- d) The values for some attributes should be as follows: include appropriate CHECK constraint to achieve them
 - i) Primary key values should be created with uniformity. For example, Doc_ID can be like 'D0001' [five characters long and start with 'D'], Staff_ID like 'S0001', Pres_ID like 'PR00001' and so on
 - ii) Attributes and permitted values (you can decide and include such values wherever required)

Attributes	Table	Permitted values				
Qualification	Doctor	'MBBS', 'MS', 'MD', 'BDS', 'MDS',				
Specialist	Doctor	'Diabetes', 'Ophthalmology', 'Cardiology', 'General				
		medicine',				
Dept_Name	Department	'Cardiology', 'Intensive care unit', 'Neurology', 'Oncology',				
		'Obstetrics and gynaecology', 'Diabetes',				
Estd_Date	Department	Should be later than '01-Jan-2010'.				
Category	Staff	'Nurse', 'Lab technician', 'Attender', 'Helper',				
Designation	Staff	'Staff nurse', 'Head nurse', 'Technician', 'Senior technician',				
		'Senior attender', 'Junior attender',				
Gender	Patient	'M', 'F', and 'T' (for third gender)				
Start_time	In_Patient	Date in start_time attribute should not be older than the				
		date_of_admission value. Also, it should not be later than				
		End_time.				
Description	Test_Types	You can use the names of tests like 'Blood test', 'Urine test', etc.				

Creating tables for hospital database in SQL worksheet:

#1. Doctor table:

```
create table Doctor(
Doc_ID char(5) primary key CHECK(Doc_id like 'D%' and length(Doc_ID)=5),
Doc_Name varchar2(25) not null,
Gender char(1) not null,
DOB date not null,
Specialist varchar2(25) not null,
Qualification varchar2(25) not null,
Contact number(10) not null,
Address varchar2(30) not null,
Dept_no char(5) not null)
```

```
SQL Worksheet

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```

#2. Department table:

3

```
create table Department(
Dept_No char(5) primary key,
Dept_Name varchar2(25) not null,
Room_No number(4) not null,
Floor number(2) not null,
HOD varchar2(25) not null,
Estd_Date date not null);
```



#3. Staff table:

```
create table Staff(
Staff_ID char(5) primary key CHECK(Staff_ID like 'S%' and
length(Staff_ID)=5),
Staff_Name varchar2(25) not null,
Category_ varchar2(10) not null,
Designation varchar2(20) not null,
DOB date not null,
Contact number(10) not null,
Address varchar2(30) not null,
Dept no char(5) not null CHECK(Dept_No like 'DP%' and length(Dept_No)=5))
```

```
SQL Worksheet

② Clear ♣ Find Actions ➤ Run ▶

1 create table Staff(
2 Staff_ID char(5) primary key CHECK(Staff_ID like 'S%' and length(Staff_ID)=5),
3 Staff_Name varchar2(25) not null,
4 Category_varchar2(10) not null,
5 Designation varchar2(20) not null,
6 DOB date not null,
7 Contact number(10) not null,
8 Address varchar2(30) not null,
9 Dept_no char(5) not null CHECK(Dept_No like 'DP%' and length(Dept_No)=5))
```

#4. Patient table:

4

```
create table Patient(
Pat_ID char(5) primary key CHECK( Pat_ID like 'PT%' and length(Pat_ID)=5),
Pat_Name varchar2(25) not null,
DOB date not null,
Gender char(1) not null,
Contact number(10) not null,
Address varchar2(30) not null)
```

#5. In_Patient table:

```
create table In_Patient(
Pat_ID char(5) not null,
Date_of_admission date not null,
Bed_No number(4) not null,
Start_Time timestamp not null,
End_Time timestamp not null);
```



#6. In_Patient_Prescription table:

```
create table In_Patient_Prescription(
Pat_ID char(5) not null CHECK( Pat_ID like 'PT%' and length(Pat_ID)=5),
Pres_ID char(7) not null CHECK(Pres_ID like 'PR%' and length(Pres_ID)=7)
);
```

```
SQL Worksheet

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```

#7. Appointment table:

```
create table Appointment(
App_ID char(5) primary key CHECK( App_ID like 'APP%' and length(App_ID)=5),
Pat_ID char(5) not null,
Doc_ID char(5) not null CHECK(Doc_id like 'D%' and length(Doc_ID)=5),
Nurse_ID char(5) not null,
Consult_Room_No number(4) not null,
Date_ date not null,
time_ timestamp not null
);
```

```
SQL Worksheet

② Clear → Find Actions → Run →

1 create table Appointment(
2 App_ID char(5) primary key CHECK( App_ID like 'APP%' and length(App_ID)=5),
3 Pat_ID char(5) not null,
4 Doc_ID char(5) not null,
5 Nurse_ID char(5) not null,
6 Consult_Room_No number(4) not null,
7 Date_date not null,
8 time_ timestamp not null
9 );
10 ]

Table created.
```

#8. Prescription table:

```
create table Prescription(
Pres_ID char(7) primary key CHECK(Pres_ID like 'PR%' and length(Pres_ID)=7),
App_ID char(5) CHECK( App_ID like 'APP%' and length(App_ID)=5),
Date_ date not null,
time_ timestamp not null,
Diagnosis_Detail varchar(30) not null
);
```

```
SQL Worksheet

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```

#9. Prescribed Medicines table:

```
create table Prescribed_Medicines(
Pres_ID char(7) CHECK(Pres_ID like 'PR%' and length(Pres_ID)=7),
Medicine_Name varchar(15) not null,
Dosage varchar(15) not null,
Brand varchar(15) not null
);
```



```
SQL Worksheet

② Clear → Find Actions → Run →

1 create table Test_results(
2 Test_ID char(5)CHECK(Test_ID like 'TT%' and length(Test_ID)=5),
3 IT_ID char(5) CHECK(T_ID like 'TT%' and length(T_ID)=5),
4 Result varchar(10) not null
5 );
6 |

Table created.
```

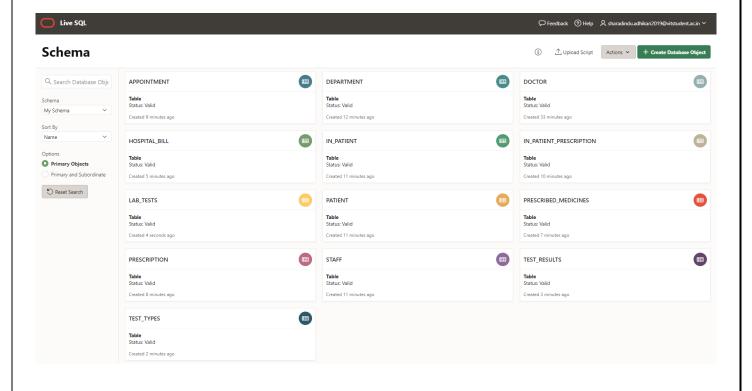
#13. Test_Types table:

7

```
create table Test_Types(
TT_ID char(5) primary key CHECK( TT_ID like 'TT%' and length(TT_ID)=5),
Description varchar(20) not null,
Low_value number(4) not null,
High_value number(4) not null,
Test_method varchar(15) not null,
Technician char(5) not null)
```



Created tables in SCHEMA:

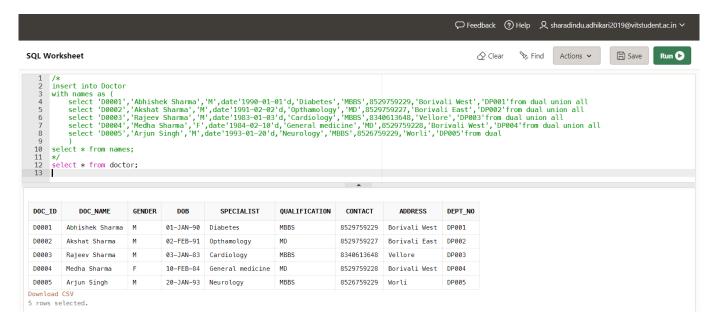


Question 2

Populate each table with appropriate, valid, and meaningful data.

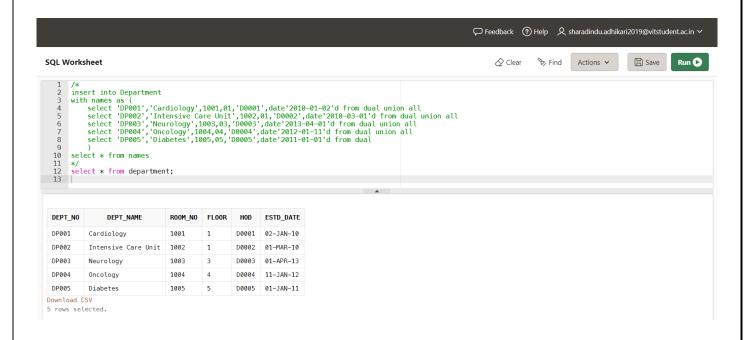
#1. Doctor table:

```
insert into Doctor
with names as (
    select 'D0001','Abhishek Sharma','M',date'1990-01-
01'd,'Diabetes','MBBS',8529759229,'Borivali West','DP001'from dual union all
    select 'D0002','Akshat Sharma','M',date'1991-02-
02'd,'Opthamology','MD',8529759227,'Borivali East','DP002'from dual union all
    select 'D0003','Rajeev Sharma','M',date'1983-01-
03'd,'Cardiology','MBBS',8340613648,'Vellore','DP003'from dual union all
    select 'D0004','Medha Sharma','F',date'1984-02-10'd,'General
medicine','MD',8529759228,'Borivali West','DP004'from dual union all
    select 'D0005','Arjun Singh','M',date'1993-01-
20'd,'Neurology','MBBS',8526759229,'Worli','DP005'from dual
   )
select * from names
```



#2. Department table:

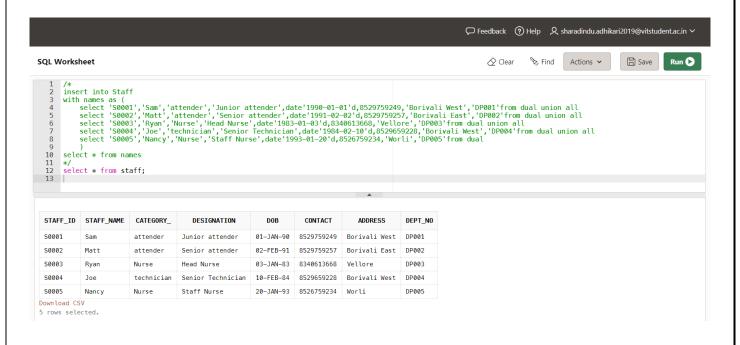
```
insert into Department
with names as (
    select 'DP001','Cardiology',1001,01,'D0001',date'2010-01-02'd from dual
union all
    select 'DP002','Intensive Care Unit',1002,01,'D0002',date'2010-03-01'd
from dual union all
    select 'DP003','Neurology',1003,03,'D0003',date'2013-04-01'd from dual
union all
    select 'DP004','Oncology',1004,04,'D0004',date'2012-01-11'd from dual
union all
    select 'DP005','Diabetes',1005,05,'D0005',date'2011-01-01'd from dual
    )
select * from names
```



#3. Staff table:

9

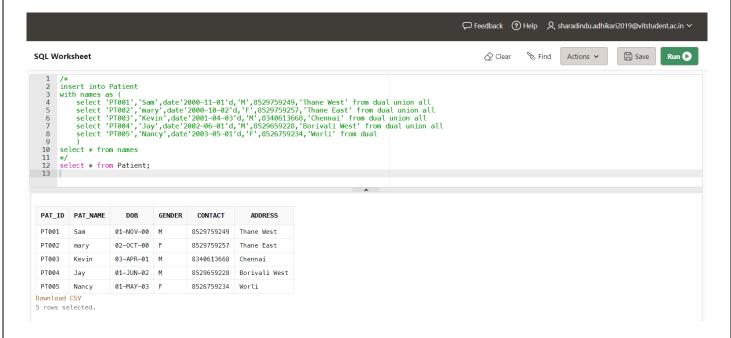
```
insert into Staff
with names as (
    select 'S0001','Sam','attender','Junior attender',date'1990-01-
01'd,8529759249,'Borivali West','DP001'from dual union all
    select 'S0002','Matt','attender','Senior attender',date'1991-02-
02'd,8529759257,'Borivali East','DP002'from dual union all
    select 'S0003','Ryan','Nurse','Head Nurse',date'1983-01-
03'd,8340613668,'Vellore','DP003'from dual union all
    select 'S0004','Joe','technician','Senior Technician',date'1984-02-
10'd,8529659228,'Borivali West','DP004'from dual union all
    select 'S0005','Nancy','Nurse','Staff Nurse',date'1993-01-
20'd,8526759234,'Worli','DP005'from dual
   )
select * from names
```



#4. Patient table:

10

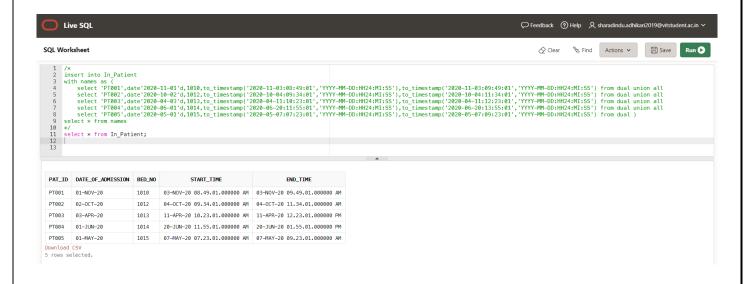
```
insert into Patient
with names as (
    select 'PT001','Sam',date'2000-11-01'd,'M',8529759249,'Thane West' from
dual union all
    select 'PT002','mary',date'2000-10-02'd,'F',8529759257,'Thane East' from
dual union all
    select 'PT003','Kevin',date'2001-04-03'd,'M',8340613668,'Chennai' from
dual union all
    select 'PT004','Jay',date'2002-06-01'd,'M',8529659228,'Borivali West'
from dual union all
    select 'PT005','Nancy',date'2003-05-01'd,'F',8526759234,'Worli' from dual
    )
select * from names
```



#5. In_Patient table:

```
insert into In Patient
with names as (
    select 'PT001', date'2020-11-01'd, 1010, to_timestamp('2020-11-
03:08:49:01','YYYY-MM-DD:HH24:MI:SS'),to_timestamp('2020-11-
03:09:49:01','YYYY-MM-DD:HH24:MI:SS') from dual union all
    select 'PT002', date'2020-10-02'd, 1012, to timestamp('2020-10-
04:09:34:01', 'YYYY-MM-DD:HH24:MI:SS'), to_timestamp('2020-10-
04:11:34:01', 'YYYY-MM-DD:HH24:MI:SS') from dual union all
    select 'PT003', date'2020-04-03'd, 1013, to timestamp('2020-04-
11:10:23:01','YYYY-MM-DD:HH24:MI:SS'), to timestamp('2020-04-
11:12:23:01', 'YYYY-MM-DD:HH24:MI:SS') from dual union all
    select 'PT004', date'2020-06-01'd, 1014, to timestamp('2020-06-
20:11:55:01','YYYY-MM-DD:HH24:MI:SS'),to_timestamp('2020-06-
20:13:55:01','YYYY-MM-DD:HH24:MI:SS') from dual union all
    select 'PT005', date'2020-05-01'd, 1015, to timestamp('2020-05-
07:07:23:01','YYYY-MM-DD:HH24:MI:SS'),to_timestamp('2020-05-
07:09:23:01','YYYY-MM-DD:HH24:MI:SS') from dual )
select * from names
```

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#6. In_Patient_Prescription table:

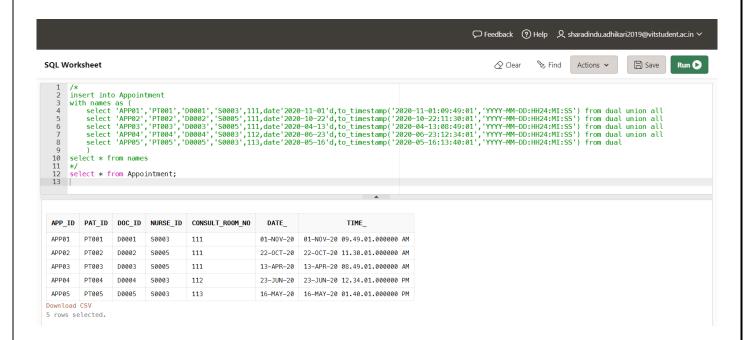
```
insert into In_Patient_Prescription
with names as (
    select 'PT001','PR00001'from dual union all
    select 'PT002','PR00002'from dual union all
    select 'PT003','PR00003'from dual union all
    select 'PT004','PR00012'from dual union all
    select 'PT005','PR00005'from dual
   )
select * from names
```

```
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                                                                                                                                                                                  ☐ Save
SOL Worksheet
          insert into In_Patient_Prescription
with names as (
          insert into In_Patient_Prescription
with names as (
    select 'PT001','PR00001'from dual union all
    select 'PT002','PR00002'from dual union all
    select 'PT003','PR00003'from dual union all
    select 'PT004','PR00012'from dual union all
    select 'PT005','PR00005'from dual
        select * from names
           select * from In_Patient_Prescription;
  PAT_ID PRES_ID
               PR00001
  PT001
  PT002
               PR00002
  PT003
               PR00003
  PT004
  PT005
             PR00005
Download CSV
5 rows selected.
```

#7. Appointment table:

```
insert into Appointment
with names as (
    select 'APP01','PT001','D0001','S0003',111,date'2020-11-
01'd,to_timestamp('2020-11-01:09:49:01','YYYY-MM-DD:HH24:MI:SS') from dual
union all
```

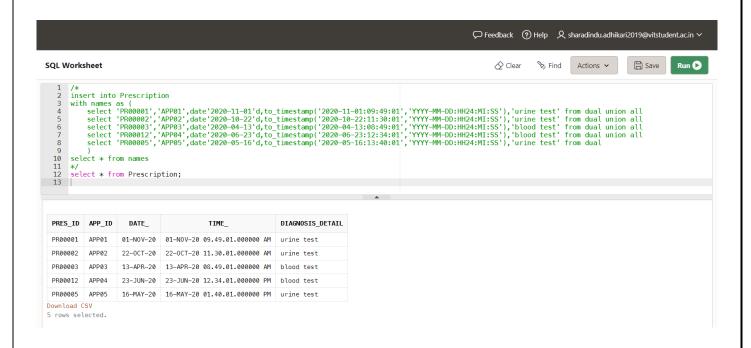
```
select 'APP02','PT002','D0002','S0005',111,date'2020-10-
22'd,to_timestamp('2020-10-22:11:30:01','YYYY-MM-DD:HH24:MI:SS') from dual
union all
    select 'APP03','PT003','D0003','S0005',111,date'2020-04-
13'd,to_timestamp('2020-04-13:08:49:01','YYYY-MM-DD:HH24:MI:SS') from dual
union all
    select 'APP04','PT004','D0004','S0003',112,date'2020-06-
23'd,to_timestamp('2020-06-23:12:34:01','YYYY-MM-DD:HH24:MI:SS') from dual
union all
    select 'APP05','PT005','D0005','S0003',113,date'2020-05-
16'd,to_timestamp('2020-05-16:13:40:01','YYYY-MM-DD:HH24:MI:SS') from dual
    )
select * from names
```



#8. Prescription table:

12

```
insert into Prescription
with names as (
    select 'PR00001', 'APP01', date'2020-11-01'd, to_timestamp('2020-11-
01:09:49:01', 'YYYY-MM-DD:HH24:MI:SS'), 'urine test' from dual union all
    select 'PR00002', 'APP02', date'2020-10-22'd, to_timestamp('2020-10-
22:11:30:01', 'YYYY-MM-DD:HH24:MI:SS'), 'urine test' from dual union all
    select 'PR00003', 'APP03', date'2020-04-13'd, to_timestamp('2020-04-
13:08:49:01', 'YYYY-MM-DD:HH24:MI:SS'), 'blood test' from dual union all
    select 'PR00012', 'APP04', date'2020-06-23'd, to_timestamp('2020-06-
23:12:34:01', 'YYYY-MM-DD:HH24:MI:SS'), 'blood test' from dual union all
    select 'PR00005', 'APP05', date'2020-05-16'd, to_timestamp('2020-05-
16:13:40:01', 'YYYY-MM-DD:HH24:MI:SS'), 'urine test' from dual
   )
select * from names
```



#9. Prescribed_Medicines table:

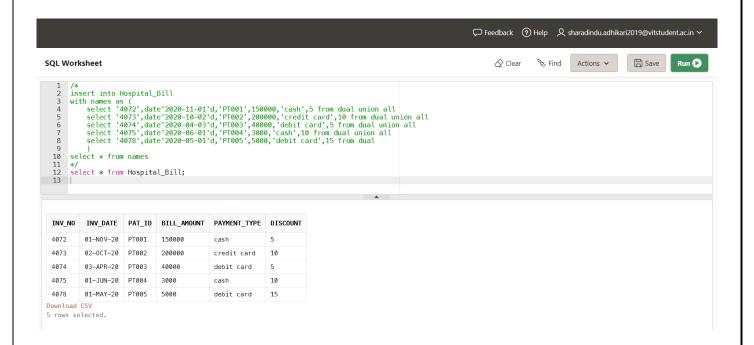
```
insert into Prescribed_medicines
with names as (
    select 'PR00001','crocin','10mg','Hamway' from dual union all
    select 'PR00002','Combiflame','15mg','Hamway'from dual union all
    select 'PR00003','SHA256','10ml','HDM'from dual union all
    select 'PR00012','SHA1','20ml','HDM'from dual union all
    select 'PR00005','SHA128','15ml','Hamway'from dual
    )
select * from names
```

```
Ç Feedback ② Help ♀ Sharadindu.adhikari2019@vitstudent.ac.in ∨
                                                                                                                                                                                ☐ Save Run ▶
SQL Worksheet
         insert into Prescribed_medicines
         Insert into Prescribed_medicines with names as (
    select 'PR00001','crocin','10mg','Hamway' from dual union all 
    select 'PR00002','Combiflame','15mg','Hamway'from dual union all 
    select 'PR00003','SHA25','10ml','HDM'from dual union all 
    select 'PR00012','SHA1','20ml','HDM'from dual union all 
    select 'PR00005','SHA128','15ml','Hamway'from dual
 11 */
12 select * from Prescribed_medicines;
13 |
  PRES_ID MEDICINE_NAME DOSAGE BRAND
  PR00001 crocin
                                        10mg
  PR00002 Combiflame
                                        15mg
                                                     Hamway
  PR00003 SHA256
                                        10ml
  PR00012 SHA1
                                        20ml
                                                     HDM
  PR00005 SHA128
                                        15ml
                                                     Hamway
Download CSV
5 rows selected.
```

#10. Hospital_Bill table:

```
insert into Hospital_Bill
with names as (
```

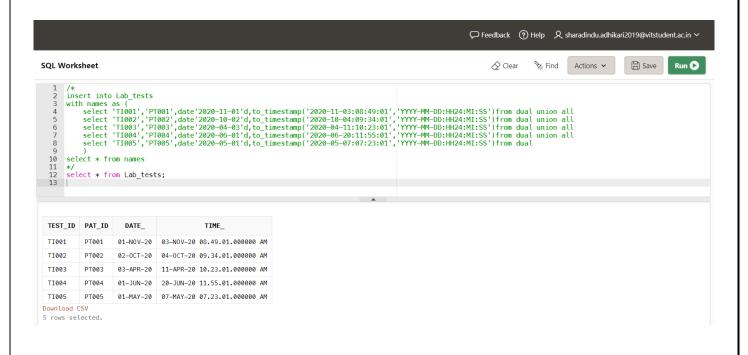
```
select '4072',date'2020-11-01'd,'PT001',150000,'cash',5 from dual union
all
    select '4073',date'2020-10-02'd,'PT002',200000,'credit card',10 from dual
union all
    select '4074',date'2020-04-03'd,'PT003',40000,'debit card',5 from dual
union all
    select '4075',date'2020-06-01'd,'PT004',3000,'cash',10 from dual union
all
    select '4078',date'2020-05-01'd,'PT005',5000,'debit card',15 from dual
    )
select * from names
```



#11. Lab_tests table:

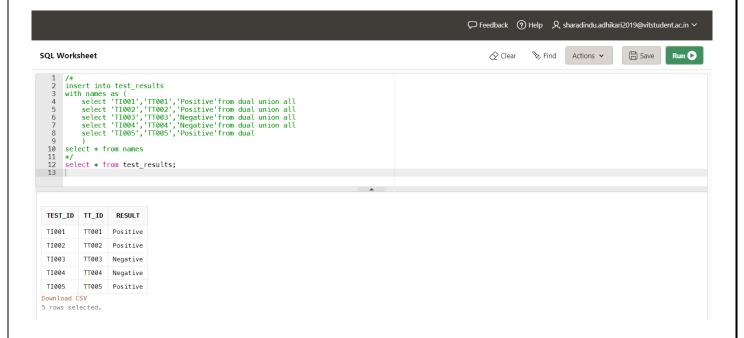
```
insert into Lab_tests
with names as (
    select 'TI001','PT001',date'2020-11-01'd,to_timestamp('2020-11-
03:08:49:01','YYYY-MM-DD:HH24:MI:SS') from dual union all
    select 'TI002','PT002',date'2020-10-02'd,to_timestamp('2020-10-
04:09:34:01','YYYY-MM-DD:HH24:MI:SS') from dual union all
    select 'TI003','PT003',date'2020-04-03'd,to_timestamp('2020-04-
11:10:23:01','YYYY-MM-DD:HH24:MI:SS') from dual union all
    select 'TI004','PT004',date'2020-06-01'd,to_timestamp('2020-06-
20:11:55:01','YYYY-MM-DD:HH24:MI:SS') from dual union all
    select 'TI005','PT005',date'2020-05-01'd,to_timestamp('2020-05-
07:07:23:01','YYYY-MM-DD:HH24:MI:SS') from dual
    )
select * from names
```

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#12. Test_results table:

```
insert into test_results
with names as (
    select 'TI001','TT001','Positive'from dual union all
    select 'TI002','TT002','Positive'from dual union all
    select 'TI003','TT003','Negative'from dual union all
    select 'TI004','TT004','Negative'from dual union all
    select 'TI005','TT005','Positive'from dual
    )
select * from names
```

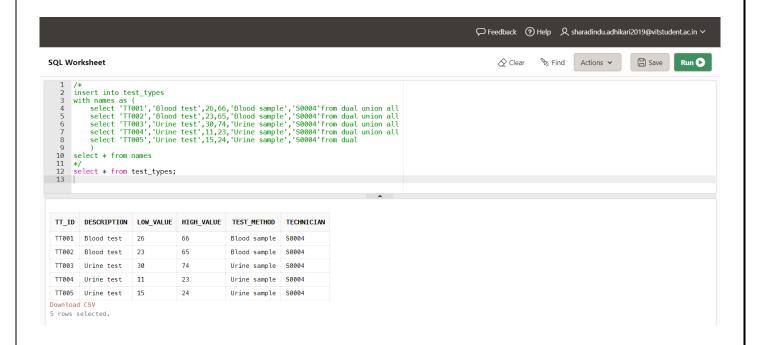


#13. Test_types table:

```
insert into test_types
with names as (
```

16

select 'TT001','Blood test',26,66,'Blood sample','S0004'from dual union
all
 select 'TT002','Blood test',23,65,'Blood sample','S0004'from dual union
all
 select 'TT003','Urine test',30,74,'Urine sample','S0004'from dual union
all
 select 'TT004','Urine test',11,23,'Urine sample','S0004'from dual union
all
 select 'TT005','Urine test',15,24,'Urine sample','S0004'from dual
)
select * from names



Question 3

Add some attributes with few tables and justify the additions.

Addition of Attributes:

```
alter table Doctor add year_of_passing number(10);
alter table Doctor add no_of_awards number(10);
alter table Staff add date_of_joining date;
alter table Patient add back history varchar2(50);
```

```
SQL Worksheet

② Clear Find Actions → Run ○

1 alter table Doctor add year_of_passing number(10);
2 alter table Doctor add no_of_awards number(10);
3 alter table Staff add date_of_joining date;
4 alter table Patient add back_history varchar2(50);
5 |

Table altered.

Table altered.

Table altered.

Table altered.
```

Justification:

- A doctor may be considered for a position like the HOD of a department based on his experience and the number of awards they have bagged throughout the course of their career.
- Similarly, for staff, their promotions may be decided on the basis of duration (in years) they have served in the hospital.
- A patient's previous medical records can help a doctor analyse the situation well and consequently better aid them.

Making foreign keys:

#1. alter table doctor
 add constraint Dept_No
 foreign key (Dept_No) references Department (Dept_No);

```
SQL Worksheet

② Clear

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Run ◆

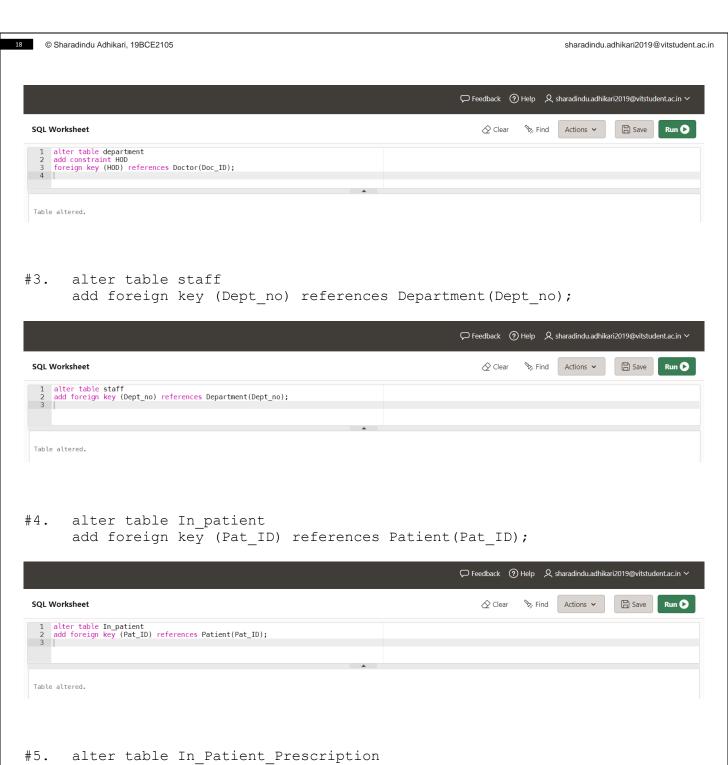
alter table doctor

add constraint Dept_No

foreign key (Dept_No) references Department (Dept_No);

Table altered.
```

#2. alter table department
 add constraint HOD
 foreign key (HOD) references Doctor(Doc ID);



#5. alter table In_Patient_Prescription
 add foreign key (Pat_ID) references Patient(Pat_ID);



#6. alter table Appointment
 add foreign key (Pat_ID) references Patient(Pat_ID);

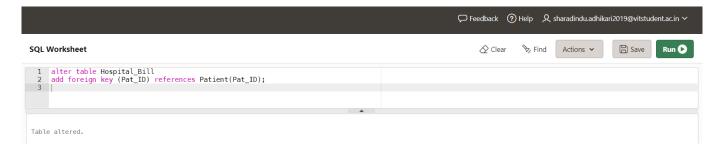


#7. alter table Lab_tests
 add foreign key (Pat_ID) references Patient(Pat_ID);

Table altered.



#8. alter table Hospital_Bill
 add foreign key (Pat ID) references Patient(Pat ID);



#9. alter table Appointment
 add foreign key (Nurse ID) references Staff(Staff ID);

```
SQL Worksheet

② Glear Sprind Actions → Run →

1 alter table Appointment
2 add foreign key (Nurse_ID) references Staff(Staff_ID);

3

Table altered.
```

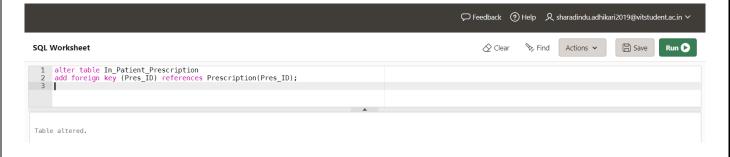
#10. alter table Test_types
 add foreign key (Technician) references Staff(Staff_ID);



#11. alter table Appointment
 add foreign key (Doc_ID) references Doctor(Doc_ID);



#12. alter table In_Patient_Prescription
 add foreign key (Pres_ID) references Prescription(Pres_ID);



#13. alter table Prescribed_Medicines
 add foreign key (Pres_ID) references Prescription(Pres_ID);

```
SQL Worksheet

② Clear → Find Actions → Run →

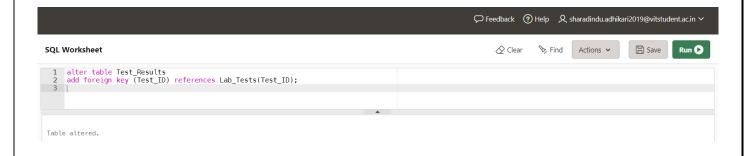
1 alter table Prescribed_Medicines
2 add foreign key (Pres_ID) references Prescription(Pres_ID);

3

Table altered.
```

#14. alter table Test_Results
 add foreign key (Test ID) references Lab Tests(Test ID);





#15. alter table Prescription
 add foreign key (App_ID) references Appointment(App_ID);

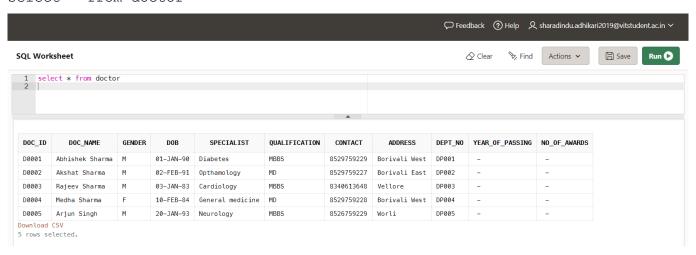


Question 4

Write DML Queries to retrieve all the asked information.

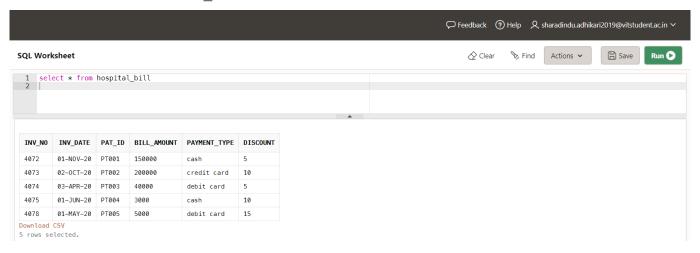
a) Find the details of all doctors.

select * from doctor



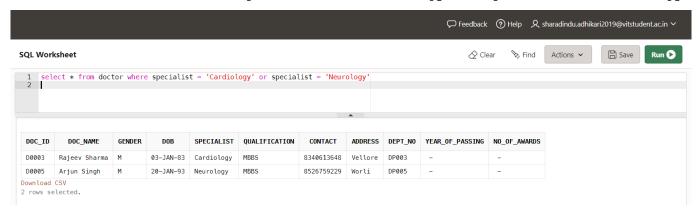
b) Display all the hospital bill details.

select * from hospital bill



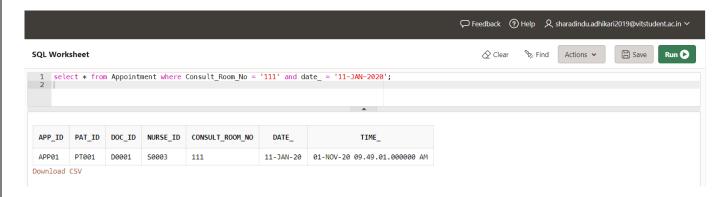
c) List the doctors who are specialized in 'Cardiology' and 'Nurology'.

select * from doctor where specialist = 'Cardiology' or specialist = 'Neurology'



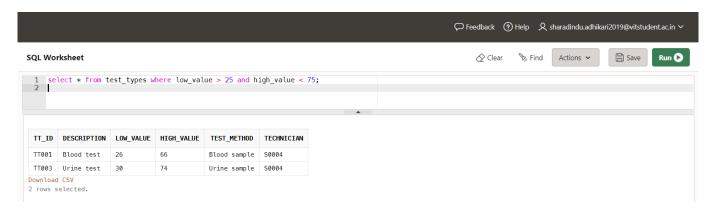
d) List all the appointments made for consultation room number 111, on '11-Jan-2020'.

select * from Appointment where Consult_Room_No = '111' and date_ = '11-JAN2020';



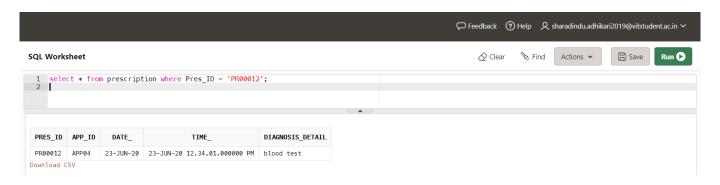
e) Display all the test types that have the values in the range of 25 and 75.

select * from test_types where low_value > 25 and high_value < 75;</pre>



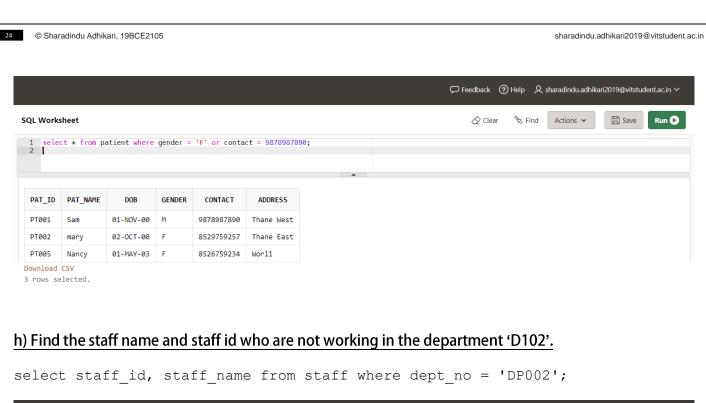
f) Find the diagnosis details of the patient with prescription id 'PR00012'.

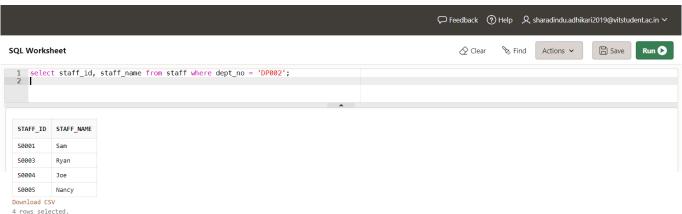
select * from prescription where Pres ID = 'PR00012';



g) Display the name of the patients whose gender is female or the contact number is 9878987890.

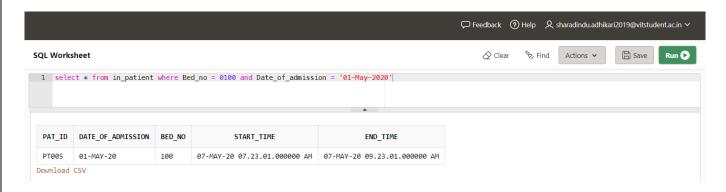
select * from patient where gender = 'F' or contact = 9878987890;





i) Find the patients who are admitted on '01-May-2020' in the bed 100.

select * from in_patient where Bed_no = 0100 and Date_of_admission = '01-May2020'



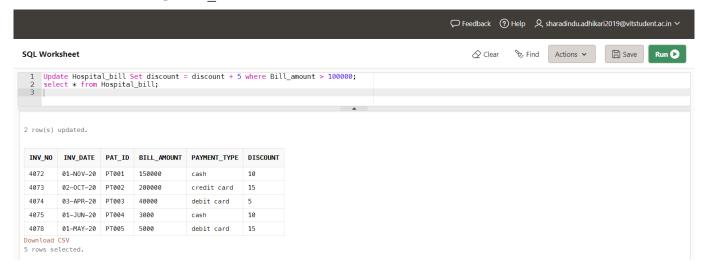
j) Delete the test results that are 'Positive'.

delete from test results where Result = 'Positive';



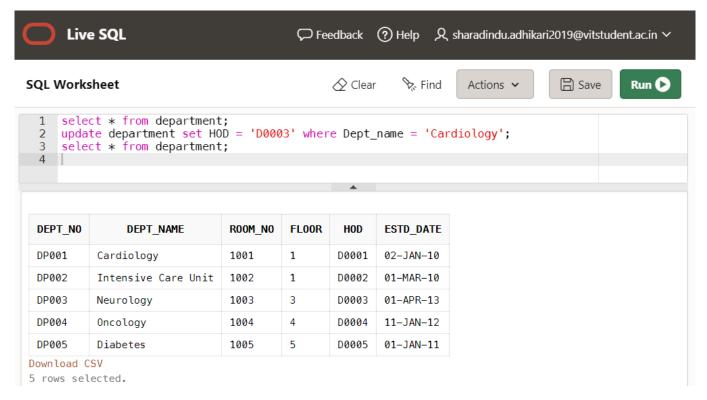
k) Increase the discount with 5% more for all the patients whose bill amount is greater than 100000.

update Hospital_bill Set discount = discount + 5 where Bill_amount > 100000; select * from Hospital bill;



I) Change the HOD of cardiology department with doctor 'D0003'.

```
select * from department;
update department set HOD = 'D0003' where Dept_name = 'Cardiology';
select * from department;
```



1 row(s) updated.

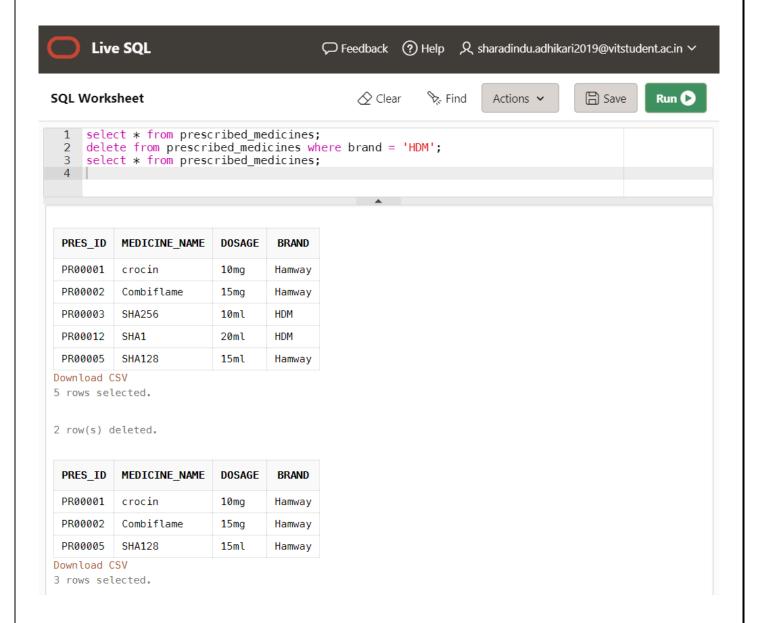
DEPT_NO	DEPT_NAME	ROOM_NO	FL00R	HOD	ESTD_DATE
DP001	Cardiology	1001	1	D0003	02-JAN-10
DP002	Intensive Care Unit	1002	1	D0002	01-MAR-10
DP003	Neurology	1003	3	D0003	01-APR-13
DP004	Oncology	1004	4	D0004	11-JAN-12
DP005	Diabetes	1005	5	D0005	01-JAN-11

Download CSV

5 rows selected.

m) Delete the prescribed medicines record that have the brand name 'XYZ'.

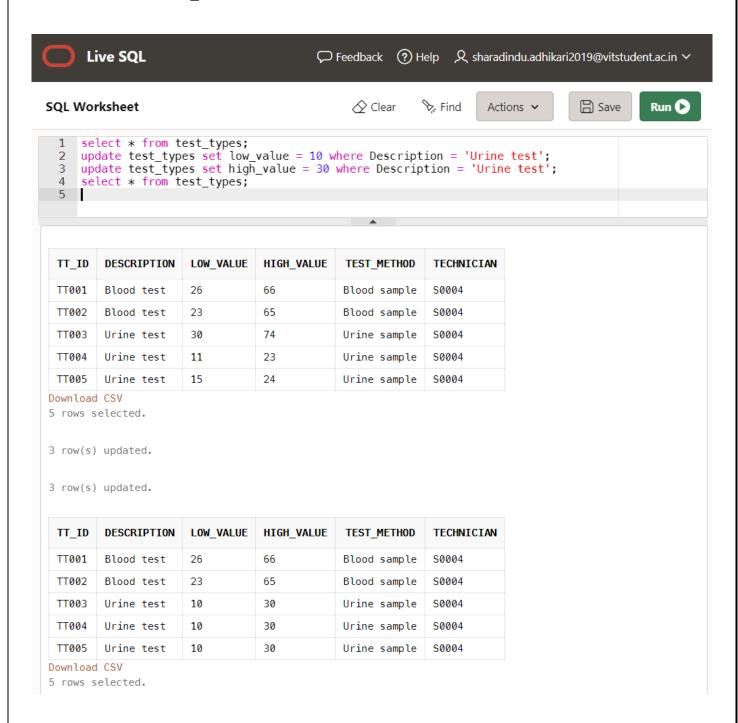
```
select * from prescribed_medicines;
delete from prescribed_medicines where brand = 'HDM';
select * from prescribed medicines;
```



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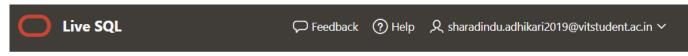
n) Modify the low value and high value to 10 and 30 respectively for the clinical test 'urine'.

```
select * from test_types;
update test_types set low_value = 10 where Description = 'Urine test';
update test_types set high_value = 30 where Description = 'Urine test';
select * from test types;
```



o) Update the contact number of all staffs who are in the category 'Nurse'.

```
select * from Staff;
update Staff set Contact = 987654321 where Category_ = 'Nurse';
select * from Staff;
```



SQL Worksheet

☐ Save



```
select * from Staff;
update Staff set Contact = 987654321 where Category_ = 'Nurse';
select * from Staff;
```

STAFF ID STAFF NAME CATEGORY **DESIGNATION** DOB CONTACT **ADDRESS** DEPT NO DATE_OF_JOINING 01-Junior Borivali S0001 attender 8529759249 DP001 Sam JANattender West 90 02-Senior Borivali S0002 Matt attender FEB-8529759257 DP002 attender East 91 03-S0003 Ryan Nurse Head Nurse JAN-987654321 Vellore DP003 83 10-Senior Borivali S0004 DP004 Joe technician FEB-8529659228 Technician West 84 20-DP005 S0005 Nancy Nurse Staff Nurse JAN-987654321 Worli 93

Download CSV

5 rows selected.

2 row(s) updated.

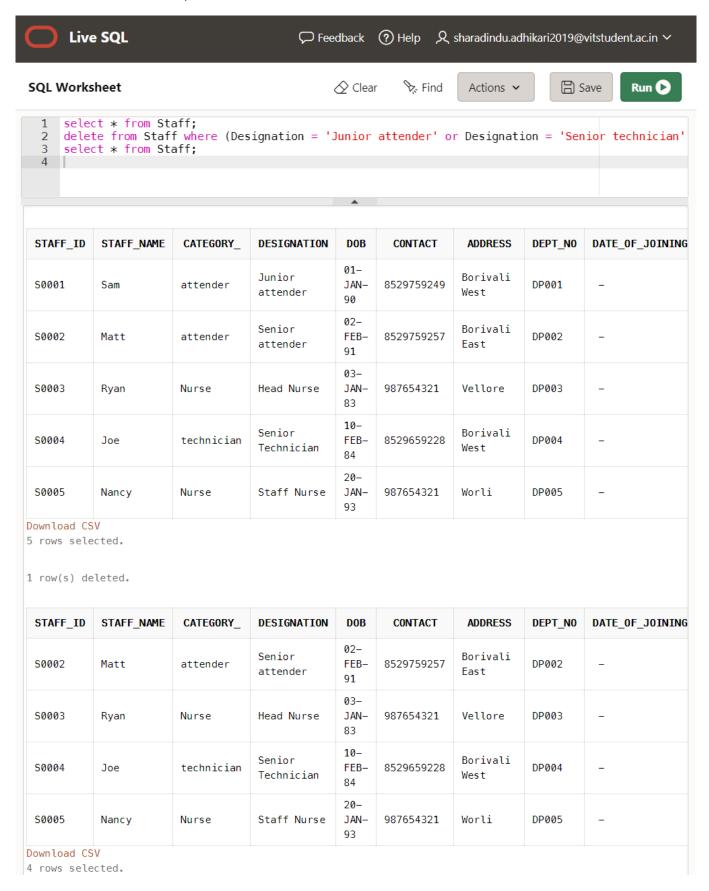
STAFF_ID	STAFF_NAME	CATEGORY_	DESIGNATION	DOB	CONTACT	ADDRESS	DEPT_NO	DATE_OF_JOINING
S0001	Sam	attender	Junior attender	01- JAN- 90	8529759249	Borivali West	DP001	-
S0002	Matt	attender	Senior attender	02- FEB- 91	8529759257	Borivali East	DP002	-
S0003	Ryan	Nurse	Head Nurse	03- JAN- 83	987654321	Vellore	DP003	-
S0004	Joe	technician	Senior Technician	10- FEB- 84	8529659228	Borivali West	DP004	_
S0005	Nancy	Nurse	Staff Nurse	20- JAN- 93	987654321	Worli	DP005	-

Download CSV

5 rows selected.

p) Delete the staff records that have designation 'junior attender' or 'senior technician' and belongs to the department 'D190'.

select * from Staff; delete from Staff where (Designation = 'Junior attender'
or Designation = 'Senior technician') and Dept_No = 'DP001';
select * from Staff;



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	TIND	
	END	