

# Proposed work details

Tables:

```
SQL> create table Patient
 2 (
 3 id int not null,
 4 fname varchar(20),
 5 lname varchar(20),
 6 contact varchar(20),
 7 age int,
 8 gender char(1) check(gender in ('M','F')),
 9 info varchar(20),
10 primary key(id)
11 );
```

Table created.

```
SQL> create table Doctor
 2 (
 3 id int not null,
 4 fname varchar(20),
 5 lname varchar(20),
 6 specialization varchar(20),
 7 contact varchar(20),
 8 hospital varchar(20),
 9 primary key(id)
10 );
```

Table created.

```
SQL> create table bill
 2 (
 3 id int not null,
 4 amount int
 5 );
```

Table created.

```
SQL> alter table bill add constraint pk primary key(id);
```

Table altered.

```
SQL> create table Prescription
 2 (
 3 name varchar(20) not null,
 4 medicine_name varchar(20),
 5 quantity int,
 6 duration int,
 7 refill int,
 8 primary key(name)
```

Table created.

```
SQL> create table pharmacy
  2  (
  3  name varchar(20) not null,
  4  location varchar(20),
  5  contact varchar(20),
  6  primary key(name)
  7  );
```

Table created.

```
SQL> create table employee
  2  (
  3  id int not null,
  4  fname varchar(20),
  5  lname varchar(20),
  6  contact varchar(20),
  7  qualifications varchar(20),
  8  primary key(id)
  9  );
```

Table created.

```
SQL> create table Medicine
  2  (
  3  name varchar(20) not null,
  4  manufacturer varchar(20),
  5  manufacturing_date date,
  6  expiration_date date
  7  );
```

```
SQL> create table Medicine
  2  (
  3  name varchar(20) not null,
  4  manufacturer varchar(20),
  5  manufacturing_date date,
  6  expiration_date date,
  7  primary key(name)
  8  );
```

Table created.

```
SQL> create table Supplier
  2  (
  3  name varchar(20) not null,
  4  contact varchar(20),
  5  location varchar(20),
  6  delivery_date date,
  7  primary key(name)
```

```
SQL> desc Patient;
```

Name	Null?	Type
ID	NOT NULL	NUMBER(38)
FNAME		VARCHAR2(20)
LNAME		VARCHAR2(20)
CONTACT		VARCHAR2(20)
AGE		NUMBER(38)
GENDER		CHAR(1)
INFO		VARCHAR2(20)

```
SQL> desc Doctor;
```

Name	Null?	Type
ID	NOT NULL	NUMBER(38)
FNAME		VARCHAR2(20)
LNAME		VARCHAR2(20)
SPECIALIZATION		VARCHAR2(20)
CONTACT		VARCHAR2(20)
HOSPITAL		VARCHAR2(20)

```
SQL> desc bill;
```

Name	Null?	Type
ID	NOT NULL	NUMBER(38)
AMOUNT		NUMBER(38)

```
SQL> desc Prescription;
```

Name	Null?	Type
NAME	NOT NULL	VARCHAR2(20)
MEDICINE_NAME		VARCHAR2(20)
QUANTITY		NUMBER(38)
DURATION		NUMBER(38)
REFILL		NUMBER(38)

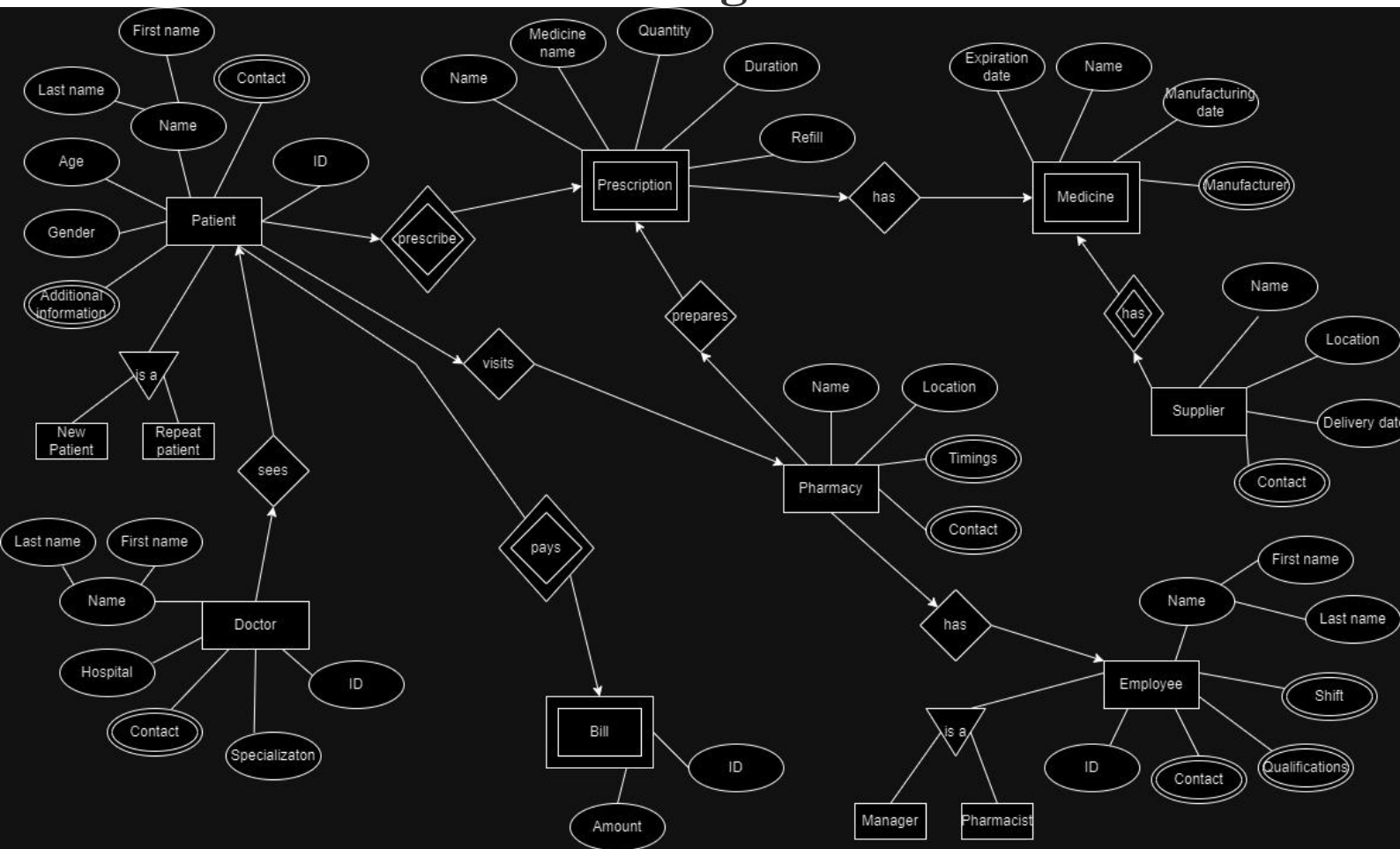
```
SQL> desc Pharmacy;
Name                                     Null?   Type
-----
NAME                                     NOT NULL VARCHAR2(20)
LOCATION                                  VARCHAR2(20)
CONTACT                                 VARCHAR2(20)
```

```
SQL> desc employee;
Name                                     Null?   Type
-----
ID                                     NOT NULL NUMBER(38)
FNAME                                  VARCHAR2(20)
LNAME                                  VARCHAR2(20)
CONTACT                                 VARCHAR2(20)
QUALIFICATIONS                         VARCHAR2(20)
```

```
SQL> desc medicine;
Name                                     Null?   Type
-----
NAME                                     NOT NULL VARCHAR2(20)
MANUFACTURER                           VARCHAR2(20)
MANUFACTURING_DATE                     DATE
EXPIRATION_DATE                       DATE
```

```
SQL> desc supplier;
Name                                     Null?   Type
-----
NAME                                     NOT NULL VARCHAR2(20)
CONTACT                                 VARCHAR2(20)
LOCATION                                  VARCHAR2(20)
DELIVERY_DATE                         DATE
```

# ER diagram



# Screenshots

```
SQL> create table Patient
 2 (
 3 id int not null,
 4 fname varchar(20),
 5 lname varchar(20),
 6 contact varchar(20),
 7 age int,
 8 gender char(1) check(gender in ('M','F')),
 9 info varchar(20),
10 primary key(id)
11 );
```

Table created.

```
SQL> create table Doctor
 2 (
 3 id int not null,
 4 fname varchar(20),
 5 lname varchar(20),
 6 specialization varchar(20),
 7 contact varchar(20),
 8 hospital varchar(20),
 9 primary key(id)
10 );
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Table created.

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 2 (
 3 name varchar(20) not null,
 4 medicine_name varchar(20),
 5 quantity int,
 6 duration int,
 7 refill int,
 8 primary key(name)
```

Table created.

```
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  2  (
  3  name varchar(20) not null,
  4  location varchar(20),
  5  contact varchar(20),
  6  primary key(name)
  7  );
```

Table created.

```
SQL> create table employee
  2  (
  3  id int not null,
  4  fname varchar(20),
  5  lname varchar(20),
  6  contact varchar(20),
  7  qualifications varchar(20),
  8  primary key(id)
  9  );
```

Table created.

```
SQL> create table Medicine
  2  (
  3  name varchar(20) not null,
  4  manufacturer varchar(20),
  5  manufacturing_date date,
  6  expiration_date date
  7  );
```

```
SQL> create table Medicine
  2  (
  3  name varchar(20) not null,
  4  manufacturer varchar(20),
  5  manufacturing_date date,
  6  expiration_date date,
  7  primary key(name)
  8  );
```

Table created.

```
SQL> create table Supplier
  2  (
  3  name varchar(20) not null,
  4  contact varchar(20),
  5  location varchar(20),
  6  delivery_date date,
  7  primary key(name)
```

```
SQL> create table pharm(pname varchar(20) primary key, address varchar(40), timings number(10), p
number(10));
```

Table created.

```
SQL> insert into pharm values('A Pharmacy','Bridge Town',6,9876543210);
```

1 row created.

```
SQL> select * from pharm;
```

PNAME	ADDRESS	TIMINGS
-----		
PHONE_NO		
-----		
A Pharmacy 9876543210	Bridge Town	6

```
SQL> create table patient1(patient_id number(7) primary key, pname varchar(20), foreign key(pname
ences pharm(pname), patient_name varchar(20), dob date);
```

Table created.

```
SQL> insert into patient1 values(1,'A Pharmacy','Mr.Smith','25-mar-1967');
```

1 row created.

```
SQL> insert into patient1 values(2,'A Pharmacy','Mr.Andrews','4-feb-1978');
```

1 row created.

```
SQL> insert into patient1 values(3,'A Pharmacy','Mrs.Rodriguez','28-jul-1987');
```

1 row created.

```
SQL> insert into patient1 values(4,'A Pharmacy','Mr.Holt','21-aug-1983');
```

1 row created.

```
SQL> insert into patient1 values(5,'A Pharmacy','Ms.Ruby','16-jan-1998');
```

1 row created.

```
SQL> select * from patient1;
```

PATIENT_ID	PNAME	PATIENT_NAME	DOB
-----			
1	A Pharmacy	Mr.Smith	25-MAR-67
2	A Pharmacy	Mr.Andrews	04-FEB-78
3	A Pharmacy	Mrs.Rodriguez	28-JUL-87
4	A Pharmacy	Mr.Holt	21-AUG-83
5	A Pharmacy	Ms.Ruby	16-JAN-98

```
SQL>
```



```
SQL> create table patient2(patient_id number(7), foreign key(patient_id) references patient1(patient_id), prev_treatment varchar(50) primary key, last_date_visit date);
```

```
Table created.
```

```
SQL> insert into patient2 values(1,'Avil','10-oct-2017');
```

```
1 row created.
```

```
SQL> insert into patient2 values(2,'Brufen','11-dec-2016');
```

```
1 row created.
```

```
SQL> insert into patient2 values(3,'Decadron','10-mar-2018');
```

```
1 row created.
```

```
SQL> insert into patient2 values(4,'Emeset','23-mar-2018');
```

```
1 row created.
```

```
SQL> insert into patient2 values(5,'Perinorm','25-oct-2017');
```

```
1 row created.
```

```
SQL> select * from patient2;
```

PATIENT_ID	PREV_TREATMENT	LAST_DATE
1	Avil	10-OCT-17
2	Brufen	11-DEC-16
3	Decadron	10-MAR-18
4	Emeset	23-MAR-18
5	Perinorm	25-OCT-17

```
SQL> create table regular_patient(discount number(5), patient_id number(7), foreign key(patient_id) references patient1(patient_id));
```

Table created.

```
SQL> insert into regular_patient values(null,1);
```

1 row created.

```
SQL> insert into regular_patient values(250,2);
```

1 row created.

```
SQL> insert into regular_patient values(500,3);
```

1 row created.

```
SQL> insert into regular_patient values(750,4);
```

1 row created.

```
SQL> insert into regular_patient values(null,5);
```

1 row created.

```
SQL> select * from regular_patient;
```

DISCOUNT	PATIENT_ID
	1
250	2
500	3
750	4
	5

```
SQL> create table new_patient( first_free_checkup varchar(10), date_visit date, patient_id number(4),
foreign key(patient_id) references patient1(patient_id));
```

```
Table created.
```

```
SQL> insert into new_patient values('Y','10-oct-2017',1);
```

```
1 row created.
```

```
SQL> insert into new_patient values('N','11-dec-2016',2);
```

```
1 row created.
```

```
SQL> insert into new_patient values('N','10-mar-2018',3);
```

```
1 row created.
```

```
SQL> insert into new_patient values('N','23-mar-2018',4);
```

```
1 row created.
```

```
SQL> insert into new_patient values('Y','25-oct-2017',5);
```

```
1 row created.
```

```
SQL> select * from new_patient;
```

FIRST_FREE	DATE_VISI	PATIENT_ID
Y	10-OCT-17	1
N	11-DEC-16	2
N	10-MAR-18	3
N	23-MAR-18	4
Y	25-OCT-17	5

```
SQL> create table doc1( doc_id number(7) primary key, salary_slipno number(5) unique, doc_name va  
0), phone_no number(10));
```

Table created.

```
SQL> insert into doc1 values(100,100,'Dr. Ray',9821054690);
```

1 row created.

```
SQL> insert into doc1 values(200,101,'Dr. Bing',9821009751);
```

1 row created.

```
SQL> insert into doc1 values(300,102,'Dr. Stromberg',9143211091);
```

1 row created.

```
SQL> insert into doc1 values(400,103,'Dr. David',9213447010);
```

1 row created.

```
SQL> insert into doc1 values(500,104,'Dr. James',9900887755);
```

1 row created.

```
SQL> select * from doc1;
```

DOC_ID	SALARY_SLIPNO	DOC_NAME	PHONE_NO
100	100	Dr. Ray	9821054690
200	101	Dr. Bing	9821009751
300	102	Dr. Stromberg	9143211091
400	103	Dr. David	9213447010
500	104	Dr. James	9900887755

```
SQL> create table doc2(salary_slipno number(5) primary key, foreign key(salary_slipno) references salary_slipno), salary number(6));
```

Table created.

```
SQL> insert into doc2 values(100,500000);
```

1 row created.

```
SQL> insert into doc2 values(101,250200);
```

1 row created.

```
SQL> insert into doc2 values(102,512200);
```

1 row created.

```
SQL> insert into doc2 values(103,700000);
```

1 row created.

```
SQL> insert into doc2 values(104,656666);
```

1 row created.

```
SQL> select * from doc2;
```

SALARY_SLIPNO	SALARY
100	500000
101	250200
102	512200
103	700000
104	656666

```
SQL> create table doc3(doc_id number(7), foreign key(doc_id) references doc1(doc_id), dep_no number(2), dep_name varchar(20));
```

Table created.

```
SQL> insert into doc3 values(100,1,'Cardiologist');
```

1 row created.

```
SQL> insert into doc3 values(200,1,'Endodontist');
```

1 row created.

```
SQL> insert into doc3 values(300,2,'Neurologist');
```

1 row created.

```
SQL> nsert into doc3 values(400,3,'Orthopedic');
```

SP2-0734: unknown command beginning "nsert into..." - rest of line ignored.

```
SQL> insert into doc3 values(400,3,'Orthopedic');
```

1 row created.

```
SQL> insert into doc3 values(500,3,'Neurologist');
```

1 row created.

```
SQL> select * from doc3;
```

DOC_ID	DEP_NO	DEP_NAME
100	1	Cardiologist
200	1	Endodontist
300	2	Neurologist
400	3	Orthopedic
500	3	Neurologist

```
SQL> create table issue1(doc_id number(7), foreign key(doc_id) references doc1(doc_id), root_canal varchar(20));
```

Table created.

```
SQL> insert into issue1 values(100,'Soft tissue inflammation');
insert into issue1 values(100,'Soft tissue inflammation')
*
```

ERROR at line 1:  
ORA-12899: value too large for column "SYSTEM"."ISSUE1"."ROOT\_CANAL" (actual: 24, maximum: 20)

```
SQL> insert into issue1 values(100,'Tissue inflammation');
```

1 row created.

```
SQL> insert into issue1 values(200,'Deep decay');
```

1 row created.

```
SQL> select * from endodontist;
select * from endodontist
*
```

ERROR at line 1:  
ORA-00942: table or view does not exist

```
SQL> select * from issue1;
```

DOC_ID	ROOT_CANAL
100	Tissue inflammation
200	Deep decay

```
SQL> create table issue2(doc_id number(7), foreign key(doc_id) references doc1(doc_id), gums varchar(20));
```

Table created.

```
SQL> insert into issue2 values(300,'Gut Disease');
```

1 row created.

```
SQL> select * from issue2;
```

DOC_ID	GUMS
300	Gut Disease

```
SQL> create table gen_dentist(doc_id number(7), foreign key(doc_id) references doc1(doc_id), row1
(20), row2 varchar(20), row3 varchar(20));
```

Table created.

```
SQL> insert into gen_dentist values(400,'Pain','Foot','Arthritis');
```

1 row created.

```
SQL> insert into gen_dentist values(500,'Dizziness','Head','Sinus');
```

1 row created.

```
SQL> select * from gen_dentist;
```

DOC_ID	ROW1	ROW2	ROW3
400	Pain	Foot	Arthritis
500	Dizziness	Head	Sinus

```
SQL> create table dependents(depen_name varchar(10) primary key, phone_no number(10),patient_id n
), foreign key(patient_id) references patient1(patient_id));
```

Table created.

```
SQL> insert into dependents values('Roger',9165625400,1);
```

1 row created.

```
SQL> insert into dependents values('Fin',9165623880,2);
```

1 row created.

```
SQL> insert into dependents values('Thomas',9789879765,3);
```

1 row created.

```
SQL> insert into dependents values('Alfie',9914323523,4);
```

1 row created.

```
SQL> insert into dependents values('Arthur',9678229119,5);
```

1 row created.

```
SQL>
```

```
SQL> select * from dependents;
```

DEPEN_NAME	PHONE_NO	PATIENT_ID
Roger	9165625400	1
Fin	9165623880	2
Thomas	9789879765	3
Alfie	9914323523	4
Arthur	9678229119	5



```
SQL> select * from medic_hist;
```

PATIENT_ID	PAST_TREATMENT	ALLERGIES	PAIN
HEART_PROBS	OTHER_ILLNESS		
1 Root Canal	Diabetes	Penicillin	
High BP			
2 Cavities	Rhinitis		Upper Left Tooth
3 Loose Teeth	Arthritis	Pollen	
High BP			

PATIENT_ID	PAST_TREATMENT	ALLERGIES	PAIN
HEART_PROBS	OTHER_ILLNESS		
4 Decay		Pollen	Lower Left Side
5 Gingivitis	Cardiac Problem	Lignocaine	Lower Right Side
High BP			

```
SQL> select patient1.patient_id, patient1.patient_name, patient1.dob, patient2.prev_treatment, pa
last_date_visit, medic_hist.allergies, medic_hist.other_illness from patient1, patient2, medic_hi
e patient1.patient_id = patient2.patient_id and patient1.patient_id = medic_hist.patient_id;
```

PATIENT_ID	PATIENT_NAME	DOB	PREV_TREATMENT	LAST_DATE
1	Mr.Smith	25-MAR-67	Avil Penicillin	10-OCT-17

PATIENT_ID	PATIENT_NAME	DOB	PREV_TREATMENT	LAST_DATE
2	Mr.Andrews	04-FEB-78	Brufen	11-DEC-16

PATIENT_ID	PATIENT_NAME	DOB	PREV_TREATMENT	LAST_DATE
3	Mrs.Rodriguez	28-JUL-87	Decadron Pollen	10-MAR-18

PATIENT_ID	PATIENT_NAME	DOB	PREV_TREATMENT	LAST_DATE
4	Mr.Holt	21-AUG-83	Emeset	23-MAR-18

PATIENT_ID	PATIENT_NAME	DOB	PREV_TREATMENT	LAST_DATE
5	Ms.Ruby	16-JAN-98	Perinorm Lignocaine	25-OCT-17

```
SQL> select patient1.patient_id, patient1.patient_name, dependents.depen_name, dependents.phone_n
patient1 inner join dependents on patient1.patient_id = dependents.patient_id;
```

PATIENT_ID	PATIENT_NAME	DEPEN_NAME	PHONE_NO
1	Mr.Smith	Roger	9165625400
2	Mr.Andrews	Fin	9165623880
3	Mrs.Rodriguez	Thomas	9789879765
4	Mr.Holt	Alfie	9914323523
5	Ms.Ruby	Arthur	9678229119

```
SQL> select doc1.doc_id, doc1.doc_name, doc1.phone_no, doc2.salary_slipno, doc2.salary, doc3.dep_
3.dep_name from doc1, doc2, doc3 where doc1.salary_slipno = doc2.salary_slipno and doc1.doc_id =
c_id;
```

DOC_ID	DOC_NAME	PHONE_NO	SALARY_SLIPNO	SALARY	DEP_NO
100	Dr. Ray	9821054690	100	500000	1
200	Dr. Bing	9821009751	101	250200	1
300	Dr. Stromberg	9143211091	102	512200	2

DOC_ID	DOC_NAME	PHONE_NO	SALARY_SLIPNO	SALARY	DEP_NO
400	Dr. David	9213447010	103	700000	3
500	Dr. James	9900887755	104	656666	3

```
SQL> select patient_id, patient_name, dob from patient1 where(patient_id) in (select patient_id f
_patient where first_free_checkup = 'Y');
```

PATIENT_ID	PATIENT_NAME	DOB
1	Mr.Smith	25-MAR-67
5	Ms.Ruby	16-JAN-98

```
SQL> select patient_id, patient_name, dob from patient1 where(patient_id) in (select patient_id f
ular_patient where discount>0);
```

PATIENT_ID	PATIENT_NAME	DOB
2	Mr.Andrews	04-FEB-78
3	Mrs.Rodriguez	28-JUL-87
4	Mr.Holt	21-AUG-83

```
SQL> select doc1.doc_id, doc1.doc_name, doc2.salary ,doc2.salary_slipno, doc3.dep_name from doc1,
c3 where doc1.salary_slipno = doc2.salary_slipno and doc1.doc_id = doc3.doc_id order by doc2.sal
c;
```

DOC_ID	DOC_NAME	SALARY	SALARY_SLIPNO	DEP_NAME
400	Dr. David	700000	103	Orthopedic
500	Dr. James	656666	104	Neurologist
300	Dr. Stromberg	512200	102	Neurologist
100	Dr. Ray	500000	100	Cardiologist
200	Dr. Bing	250200	101	Endodontist

```
SQL>
```

```
SQL> select patient1.patient_id, patient1.patient_name, patient2.prev_treatment, regular_patient.
t from patient1, patient2, regular_patient where patient1.patient_id = patient2.patient_id and pa
patient_id = regular_patient.patient_id and regular_patient.discount>0 order by regular_patient.
t desc;
```

```
PATIENT_ID PATIENT_NAME
```

```
PREV_TREATMENT DISCOUNT
```

```
-----
4 Mr.Holt
Emeset 750
3 Mrs.Rodriguez
Decadron 500
2 Mr.Andrews
Brufen 250
```

```
SQL> select avg(salary) from doc2;
```

```
AVG(SALARY)
```

```
-----
523813.2
```

```
SQL> select doc1.doc_id ,doc1.doc_name, doc2.salary_slipno, doc2.salary from doc1,doc2 where doc1
_slipno = doc2.salary_slipno and doc2.salary >= (select avg(salary) as sal from doc2) ;
```

```
DOC_ID DOC_NAME SALARY_SLIPNO SALARY
-----
400 Dr. David 103 700000
500 Dr. James 104 656666
```

```
SQL>
```

```
SQL> alter table polyclinic drop (address);
```

```
Table altered.
```

```
SQL> alter table polyclinic add (address varchar(20));
```

```
Table altered.
```

```
SQL> update polyclinic set address = 'Malabar Hill';
```

```
1 row updated.
```

```
SQL> select * from polyclinic;
```

```
POLYCLINIC_NAME TIMINGS PHONE_NO ADDRESS
-----
Dental Polyclinic 6 9876543210 Malabar Hill
```

```
SQL> select max(discount) from regular_patient;
```

```
MAX(DISCOUNT)
```

```
-----
750
```

```
SQL> select min(discount) from regular_patient;
```

```
MIN(DISCOUNT)
-----
                250
```

```
SQL> select doc_id from issue1 union select doc_id from issue2 union select doc_id from gen_dent
```

```
DOC_ID
-----
    100
    200
    300
    400
    500
```

```
SQL> select doc_id from issue1 intersect select doc_id from issue2 intersect select doc_id from g
ist;
```

```
no rows selected
```

```
SQL> select patient_id, patient_name, prev_treatment, dob, last_date_visit from patient1 natural
tient2;
```

```
PATIENT_ID PATIENT_NAME
-----
PREV_TREATMENT                                DOB          LAST_DATE
-----
    1 Mr.Smith                                25-MAR-67 10-OCT-17
Avil
    2 Mr.Andrews                              04-FEB-78 11-DEC-16
Brufen
    3 Mrs.Rodriguez                           28-JUL-87 10-MAR-18
Decadron
```

```
PATIENT_ID PATIENT_NAME
-----
PREV_TREATMENT                                DOB          LAST_DATE
-----
    4 Mr.Holt                                21-AUG-83 23-MAR-18
Emeset
    5 Ms.Ruby                                 16-JAN-98 25-OCT-17
Perinorm
```

```
SQL> select patient_id from regular_patient where discount is null;
```

```
PATIENT_ID
-----
    1
    5
```

```
SQL>
```

```
SQL> select count(*) from doc1;
```

COUNT(*)
5

```
SQL> select distinct depen_name from dependents;
```

DEPEN_NAME
Roger
Fin
Thomas
Alfie
Arthur

```
SQL> select patient_id from medic_hist where heart_probs = 'High BP' minus select patient_id from medic_hist where heart_probs = null;
```

PATIENT_ID
1
3
5

```
SQL> select doc3.dep_name, avg(doc2.salary) as avg_salary from doc3,doc2,doc1 where doc1.salary_slipno = doc2.salary_slipno and doc1.doc_id = doc3.doc_id group by doc3.dep_name having avg(doc2.salary) > 500000;
```

DEP_NAME	AVG_SALARY
Neurologist	584433
Orthopedic	700000

```
SQL> select distinct doc_name from doc1 where doc_name not in('Dr. David', 'Dr. James');
```

DOC_NAME
Dr. Ray
Dr. Bing
Dr. Stromberg

```
SQL> create view polyclinic_view as select  
2 polyclinic_name, address, timings, phone_no from polyclinic with read only;
```

View created.

```
SQL> select * from polyclinic_view;
```

POLYCLINIC_NAME	ADDRESS	TIMINGS	PHONE_NO
Dental Polyclinic	Malabar Hill		6 9876543210

```
SQL> create view polyclinic_view2 as select
  2 polyclinic_name, address, timings, phone_no from polyclinic ;
```

View created.

```
SQL> insert into polyclinic_view2 values('Dentists', 'Breach Candy', 2, 9822334519);
```

1 row created.

```
SQL> select * from polyclinic_view2;
```

POLYCLINIC_NAME	ADDRESS	TIMINGS	PHONE_NO
Dental Polyclinic	Malabar Hill	6	9876543210
Dentists	Breach Candy	2	9822334519

```
SQL> create or replace trigger print_salary1
  2 before delete or insert or update on doc2
  3 for each row
  4 when(new.salary_slipno>0)
  5 declare
  6 sal_diff number;
  7 begin
  8 sal_diff := :new.salary - :old.salary;
  9 dbms_output.put_line('Old salary: '|| :old.salary);
 10 dbms_output.put_line('New Salary: '|| :new.salary);
 11 dbms_output.put_line('Difference '|| sal_diff);
 12 end;
 13 /
```

Trigger created.

```
SQL> update doc2 set salary = salary+500 where salary_slipno = 100;
```

1 row updated.

```
SQL> set serveroutput on;
```

```
SQL> update doc2 set salary = salary+500 where salary_slipno = 100;
```

Old salary: 500500

New Salary: 501000

Difference 500

1 row updated.

```

SQL> create or replace function discount_reg_patient(n1 in number)
  2 return number is ans number;
  3 begin
  4 ans:= n1-0.1*n1;
  5 return ans;
  6 end discount_reg_patient ;
  7 /

```

Function created.

```

SQL> create or replace function ffcheckup_new_patient(n1 in number)
  2 return number is ans number;
  3 begin
  4 ans:= n1*0;
  5 return ans;
  6 end ffcheckup_new_patient ;
  7 /

```

Function created.

```

SQL> create or replace function discount_reg_patient(n1 in number)
  2 return number is ans number;
  3 begin
  4 ans:= n1-0.1*n1;
  5 return ans;
  6 end discount_reg_patient ;
  7 /

```

Function created.

```

SQL> declare
  2 n1 number:=:n1;
  3
  4
  5 /

```

SP2-0552: Bind variable "N1" not declared.

```

SQL> declare
  2 n1 number:=&n1;
  3 ans number;
  4 begin
  5 ans:=discount_reg_patient(n1);
  6 dbms_output.put_line('Regular Patient(Coming for 10 years)');
  7 dbms_output.put_line('Discount is '||0.1*n1);
  8 dbms_output.put_line('Amount to be paid is '||ans);
  9 end;
 10 /

```

Enter value for n1: 1000

old 2: n1 number:=&n1;

new 2: n1 number:=1000;

Regular Patient(Coming for 10 years)

Discount is 100

Amount to be paid is 900

PL/SQL procedure successfully completed.



Pharmacy Management

stock

sell

Date

4/26/24

Product Name

Crocin

Price

20

Quantity

1

View Stock

Add

Date	Product	Price	Quantity
4/23/24	brufen	120	4
4/23/24	brufen	120	4
4/23/24	brufen	120	4
4/23/24	crocin	40	2
4/26/24	Crocin	20	1

Pharmacy Management

stock

sell

Metformin

80

2

Amlodipine

20

0

Paracetamol

100

3

Omeprazole

400

0

View All Sellings

Bill

Date	Product	Price of 1	Quantity	Price
4/23/24	Product-1	80	2	160
4/23/24	Product-3	100	4	320
4/23/24	Product-1	80	2	160
4/23/24	Product-3	100	4	320
4/26/24	Product-1	80	2	160
4/26/24	Product-3	100	3	240

|| Pharmacy Management ||

Date	Price	Products	QTY	Total
4/26/24	Product-1	80	2	160
4/26/24	Product-3	100	3	240
Total		5		400