**HOSPITAL MANAGEMENT SYSTEM**

**IMPLEMENTATION**

In this phase we will create tables based on the design done in the first phase using SQL queries and will write select queries to retrieve information from database based on various criteria.

* **Creating Tables and inserting data**

**Department Table:**

>>create table department

(

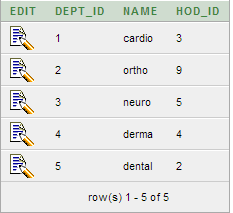
dept\_id int primary key,

name char(60),

hod\_id int

);

>>insert into department values(01,'cardio',03);



**Doctor Table:**

>>create table doctor

(

doctor\_id int primary key,

dept\_id int,

doctor\_name varchar(60),

specialization varchar(60),

generalization varchar(60),

qualification varchar(60),

address varchar(60),

contact\_no int,

foreign key(dept\_id) references department

);

>>insert into doctor values(01,01,'Ankit','cardiologist','Sr. Consultant','MD','New Delhi',919876532521);



**Nurse table:**

>>create table nurse

(

nurse\_id int primary key,

dept\_id int,

nurse\_name varchar(60),

designation varchar(60),

qualification varchar(60),

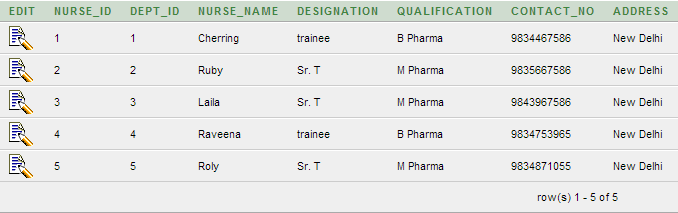
contact\_no int,

address varchar(60),

foreign key(dept\_id) references department

);

>>insert into nurse values(01,01,'Cherring','trainee','B Pharma',9834467586,'New Delhi');



**Ward Table:**

>>create table ward

(

ward\_id int primary key,

dept\_id int,

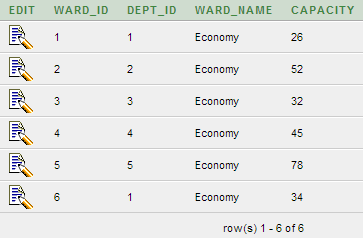
ward\_name varchar(60),

capacity int,

foreign key(dept\_id) references department

);

>>insert into ward values(01,01,'Economy',26);



**Patient table:**

>>create table patient

(

patient\_id int primary key,

ward\_id int,

patient\_name varchar(60),

sex char,

age int,

bed\_no int,

disease varchar(30),

admit\_date int,

discharge\_date int,

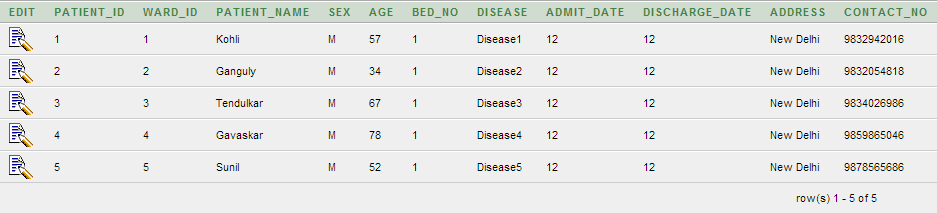
address varchar(60),

contact\_no int,

foreign key(ward\_id) references ward

);

>>insert into patient values(1,01,'Kohli','M',57,1,'Disease1',12.09,12.10,'New Delhi',9832942016);



**Test table:**

>>create table test

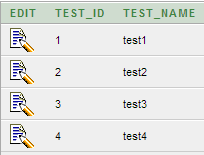
(

test\_id int primary key,

test\_name varchar(60) not null

);

>>insert into test values(1,'test1');



**Treats table:**

>>create table treats

(

doctor\_id int,

patient\_id int,

checkup\_date int,

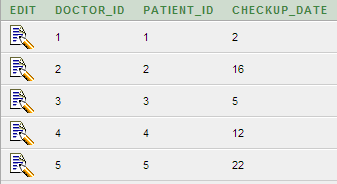
primary key(doctor\_id,patient\_id),

foreign key(doctor\_id) references doctor,

foreign key(patient\_id) references patient

);

>>insert into treats values(01,1,02.09);



**Cares table:**

>>create table cares

(

nurse\_id int,

patient\_id int,

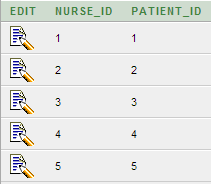
primary key(nurse\_id,patient\_id),

foreign key(nurse\_id) references nurse,

foreign key(patient\_id) references patient

);

>>insert into cares values(01,1);



**Undergoes table:**

>>create table undergoes

(

test\_id int,

patient\_id int,

test\_date int,

test\_result varchar(30),

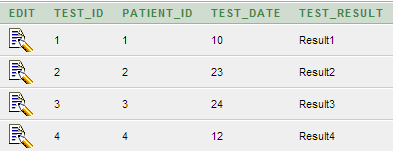
primary key(test\_id,patient\_id),

foreign key(test\_id) references test,

foreign key(patient\_id) references patient

);

>>insert into undergoes values(1,1,10.09,Result1);



**Doctor\_test table:**

>>create table doctor\_test

(

doctor\_id int,

test\_id int,

primary key(test\_id,doctor\_id),

foreign key(test\_id) references test,

foreign key(doctor\_id) references doctor

);

**Dept\_contact Table:**

>>create table dept\_contact

(

dept\_id int,

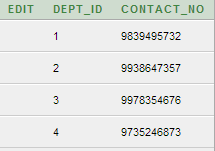
contact\_no int,

primary ke(dept\_id,contact\_no),

foreign key(dept\_id) references department

);

>>insert into dept\_contact values(1,9839495732);



**QUERIES**

**Query 1:**

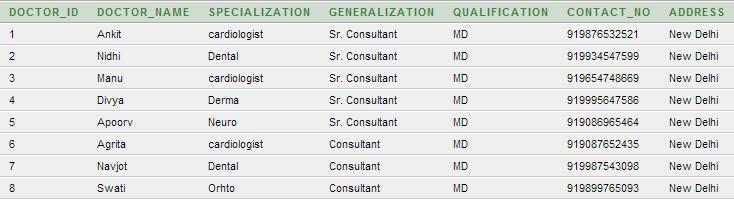
Find the details of HOD of dental department.

select doctor\_id,doctor\_name, specialization, generalization, qualification, contact\_no, address

from department dp, doctor dr

where dp.dept\_id=dr.dept\_id

and name='cardio'



**Query 2:**

Find the ward with maximum capacity.

select ward\_id, ward\_name, capacity

from ward

where capacity>=all(select capacity from ward)

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**Query 3:**

Find the details of the patients whose name starts from G.

select \*

from patient

where patient\_name like 'G%'



**Query 4:**

List all contact numbers of cardio department.

select contact\_no

from department d, dept\_contact dc

where d.dept\_id=dc.dept\_id

and d.name='cardio'

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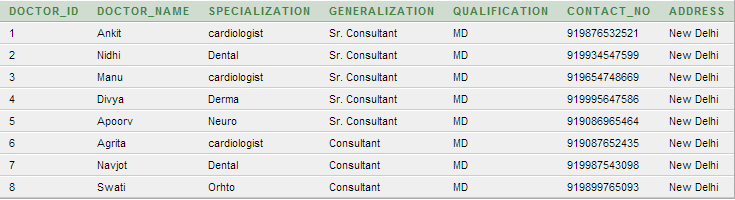
**Query 5:**

List all the information about doctors of 'cardio' department.

select doctor\_id, doctor\_name, specialization, generalization, qualification, contact\_no,address

from department dp, doctor dr

where dp.dept\_id=dr.dept\_id



**Query 6:**

List all the patient who are treated by the doctor with doctor\_name='Nidhi'

select p.patient\_id, p.patient\_name, p.age, p.admit\_date, p.discharge\_date

from doctor d, treats t, patient p

where d.doctor\_id=t.doctor\_id

and t.patient\_id=p.patient\_id

and d.doctor\_id=2

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**Query 7:**

List all the details of nurse working in 'Derma' department.

select \* from nurse n, department dp

where n.dept\_id=dp.dept\_id

and name='derma’

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