**SQL Queries:**

SQL>create table patient(p\_id number(10) primary key,p\_contact\_no number(10),dob date,address varchar(20),sex varchar(10),date\_admitteddate,date\_dischareddate,f\_name varchar(30),m\_name varchar(30),l\_name varchar(30),room\_no number(10));

Table created.

SQL> create table doctor(d\_id number(10) primary key,name varchar(30),experience varchar(30),salary number(7,2));

Table created.

SQL> create table doctor\_attends(d\_id number(10),p\_id number(10));

Table created.

SQL> create table nurse(n\_id number(10) primary key,n\_name varchar(30),salary number(7,2),room\_no number(10));

Table created.

SQL> create table room(room\_no number(10) primary key,room\_type varchar(30),n\_id number(10));

Table created.

SQL> create table equipment(Price number(5,2),E\_no number(10) primary key,E\_description varchar(30));

Table created.

SQL> create table medicine(Code varchar(10) primary key,Price number(5,2),Description varchar(30));

Table created.

SQL> create table Treatment(Duration varchar(30),Treatment\_type varchar(30),P\_id number(10));

Table created.

SQL> create table Medicine\_Bill(Code varchar(10),P\_id number(10));

Table created.

SQL> create table Equipment\_Bill(E\_no number(10),P\_id number(10));

Table created.

SQL> create table Treatment\_Bill(Treatment\_type varchar(30),P\_id number(10));

Table created.

SQL> alter table patient add constraint fk1 foreign key(room\_no)references room(room\_no);

Table altered.

SQL> alter table doctor\_attends add constraint fkk2 foreign key(d\_id)references doctor(d\_id);

Table altered.

SQL> alter table treatment\_bill add p\_id1 number(10);

Table altered.

SQL> alter table room add constraint fkk3 foreign key(n\_id)references nurse(n\_id);

Table altered.

SQL> alter table doctor\_attends add constraint fkk4 foreign key(p\_id)references patient(p\_id);

Table altered.

SQL> alter table nurse add constraint fkk5 foreign key(room\_no)references room(room\_no);

Table altered.

SQL> alter table treatment add constraint fkk6 foreign key(p\_id)references patient(p\_id);

Table altered.

SQL> alter table medicine\_bill add constraint fkk7 foreign key(code)references medicine(code);

Table altered.

SQL> alter table medicine\_bill add constraint fkk8 foreign key(p\_id)references patient(p\_id);

Table altered.

SQL> alter table equipment\_bill add constraint fkk9 foreign key(E\_no)references Equipment(e\_no);

Table altered.

SQL> alter table equipment\_bill add constraint fkk10 foreign key(p\_id)references patient(p\_id);

Table altered.

SQL> alter table treatment add constraint pkk1 primary key(Treatment\_type,P\_id);

Table altered.

SQL> alter table treatment\_bill add constraint fkk11 foreign key(Treatment\_type,P\_id)references Treatment(Treatment\_type,p\_id);

Table altered.

SQL> alter table treatment\_bill add constraint fkk12 foreign key(p\_id1)references patient(p\_id);

Table altered. PL/SQL

SQL> create or replace trigger trig before insert on patient for each row

2 begin

3 insert into room(room\_no) values(:new.room\_no);

4 end;

5 /

Trigger created.

SQL> insert into patient values(101,876543210,'11-AUG-1998','F-78,sector-40 Noida','F','29JUN-2019','05-JUL-2019','Ritika','kumari','Desai',100);

1 row created.

SQL>

SQL> insert into patient values(102,5678987610,'10-Jul-1995','Purani Bazar','F','30-Jun2013','06-Jul-2013','Mitali','Singh','Rathore',101);

1 row created.

SQL> insert into patient values(103,9868767610,'11-Dec-1990','Purani Delhi','M','31-Dec1990','06-Jul-2013','Aman','kashyap','Singh',102);

1 row created.

SQL> insert into Doctor values(1234,'Anurag Kashyap','3 years',20000);

1 row created.

SQL> insert into Doctor values(2345,'Jai Gupta','5 years',30000);

1 row created.

SQL> insert into Doctor values(2876,'Nikhil Chaudhary','10 years',70000);

1 row created.

SQL> insert into Doctor values(2856,'Puja Jain','20 years',90000);

1 row created.

SQL> insert into Doctor\_Attends values(1234,101);

1 row created.

SQL> insert into Doctor\_Attends values(2345,102);

1 row created.

SQL> insert into Doctor\_Attends values(2876,103);

1 row created.

SQL> insert into nurse values(4567,'Puja Nema',2000,100);

1 row created.

SQL> insert into nurse values(4676,'Gunjan Sharma',2500,101);

1 row created.

SQL> insert into nurse values(4678,'Sharvi Malik',3500,102);

1 row created.

SQL> update room set room\_type='AC-Single',N\_id=4567 where room\_no=100;

1 row updated.

SQL> update room set room\_type='AC-Double',N\_id=4676 where room\_no=101;

1 row updated.

SQL> update room set room\_type='NON-AC-Double',N\_id=4678 where room\_no=102;

1 row updated.

SQL> insert into Equipment values(200,23765,'Surgical Instrument');

1 row created.

SQL> insert into Equipment values(150,25665,'Bipass Instrument');

1 row created.

SQL> insert into Equipment values(100,25565,'Syringe');

1 row created.

SQL> insert into medicine values('G256',150,'Paracetamol');

1 row created.

SQL> insert into medicine values('B256',159,'Norflox TZ');

1 row created.

SQL> insert into medicine values('I856',199,'Citragen');

1 row created.

SQL> insert into treatment values('2 months','Surgery',101);

1 row created.

SQL> insert into treatment values('6 months','Heart Transplant',102);

1 row created.

SQL> insert into treatment values('4 months','kidney Transplant',103);

1 row created.

SQL> insert into medicine\_bill values('B256',101);

1 row created.

SQL> insert into medicine\_bill values('I856',102);

1 row created.

SQL> insert into Equipment\_Bill values(23765,101);

1 row created.

SQL> insert into Equipment\_Bill values(25665,102);

1 row created.

SQL> insert into treatment\_bill values('Heart Transplant',102,102);

1 row created.

SQL> insert into treatment\_bill values('kidney Transplant',103,103);

1 row created.

SQL> select n.n\_name from Nurse n,Room r,Patient p where n.room\_no=r.room\_no and r.room\_no=p.room\_no and p.p\_id=&p\_id;

Enter value for p\_id: 101

old 1: select n.n\_name from Nurse n,Room r,Patient p where n.room\_no=r.room\_no and r.room\_no=p.room\_no and p.p\_id=&p\_id

new 1: select n.n\_name from Nurse n,Room r,Patient p where n.room\_no=r.room\_no and r.room\_no=p.room\_no and p.p\_id=101

N\_NAME

------------------------------

Puja Nema

SQL> select p.f\_name,p.m\_name,p.l\_name,e.e\_description,e.price from patient p,equipment e,equipment\_bill e1 where p.p\_id=e1.p\_id and e1.e\_no=e.e\_no and p.p\_id=&p\_id;

Enter value for p\_id: 101

old 1: select p.f\_name,p.m\_name,p.l\_name,e.e\_description,e.price from patient p,equipment e,equipment\_bill e1 where p.p\_id=e1.p\_id and e1.e\_no=e.e\_no and p.p\_id=&p\_id

new 1: select p.f\_name,p.m\_name,p.l\_name,e.e\_description,e.price from patient p,equipment e,equipment\_bill e1 where p.p\_id=e1.p\_id and e1.e\_no=e.e\_no and p.p\_id=101

F\_NAME M\_NAME

------------------------------ ------------------------------

L\_NAME E\_DESCRIPTION PRICE

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Ritika kumari

Desai Surgical Instrument 200

SQL> select p\_id from patient where room\_no=any(select room\_no from room where n\_id=&n\_id);

Enter value for n\_id: 4567

old 1: select p\_id from patient where room\_no=any(select room\_no from room where n\_id=&n\_id)

new 1: select p\_id from patient where room\_no=any(select room\_no from room where n\_id=4567)

P\_ID

----------

101

SQL> create or replace function func(num number)

2 return varchar is

3 n1 nurse.n\_name%type;

4 begin

5 select n\_name into n1 from Nurse n,room r,patient p where n.room\_no=r.room\_no and r.room\_no=p.room\_no and p.p\_id=num;

6 return n1;

7 end;

8 /

Function created.

SQL> declare

2 a varchar(30);

3 begin

4 a:=func(&num);

5 dbms\_output.put\_line(a);

6 end;

7 /

Enter value for num: 101

old 5: a:=func(&num);

new 5: a:=func(101);

Puja Nema

PL/SQL procedure successfully completed.

SQL> declare

2 cursor pass\_cur is

3 select p\_id from patient where sex='M';

4 pass\_rec pass\_cur%rowtype;

5 begin

6 open pass\_cur;

7 loop

8 fetch pass\_cur into pass\_rec;

9 exit when pass\_cur%notfound;

10 dbms\_output.put\_line('Patient\_Id:'||pass\_rec.p\_id);

11 end loop;

12 end;

13

14 /

Patient\_Id:103

PL/SQL procedure successfully completed.

Front End:

hosreg.html

<html>

<head>

<title> Registration Form Creation </title>

<link rel="stylesheet" type="text/css" href="mystyle1.css">

</head>

<body>

<h1>NEWLIFE HOSPITAL</h1>

<div class="register">

<form method="post" id="register" action="hos\_reg.php" >

<h2> Register Here </h2>

<label> Patient ID: </label><br>

<input type="text" name="P\_id" id="name"

placeholder="Enter the Patient ID"><br><br>

<label> First Name: </label><br>

<input type="text" name="f\_name" id="name"

placeholder="Enter your First Name"><br><br>

<label> Middle Name: </label><br>

<input type="text" name="m\_name" id="name"

placeholder="Enter your First Name"><br><br>

<label> Last Name: </label><br>

<input type="text" name="l\_name" id="name"

placeholder="Enter your Last Name"><br><br>

<label> Mobile Number:</label><br>

<select id="ph">

<option>+91</option>

<option>+92</option>

<option>+93</option>

<option>+94</option>

<option>+95</option>

</select>

<input type="number" name="P\_Contact\_no" id="num"

placeholder="Enter your Mobile Number"><br><br>

<label> DOB: </label><br>

<input type="text" name="DOB" id="name"

placeholder="Enter your date of birth"><br><br>

<label> Address: </label><br>

<input type="text" name="Address" id="name"

placeholder="Enter your Address"><br><br>

<label> Sex: </label><br>

<input type="text" name="Sex" id="name"

placeholder="Enter your sex"><br><br>

<label> Date you were admitted: </label><br>

<input type="text" name="Date\_admitted" id="name"

placeholder="Enter the date you were admitted"><br><br>

<label> Date you were discharged: </label><br>

<input type="text" name="Date\_discharged" id="name"

placeholder="Enter the date you were discharged"><br><br>

<label> Room Number: </label><br>

<input type="text" name="Room\_No" id="name"

placeholder="Enter your room number"><br><br>

<input type="submit" value="Register" id="name"><br><br>

</form>

</div>

mystyle1.css

\*{

margin:0;

padding:0;

}

body{

background-image: url(loginpic.jpg);

background-size: 100% 1000px;

background-repeat: no-repeat;

}

h1{

text-align:center;

padding:20px;

}

h2{

text-align:center;

padding:20px;

}

.register{

text-align:center;

background:#737CA1;

width:500px;

margin:0px 0px 0px 460px;

color:white;

font-size:18;

padding:40px;

border-radius:10px;

}

#register{

margin-left:30px;

}

label{

color:white;

font-family:sans-serif;

font-size:18px;

font-style:italic;

}

#name{

width:300px;

border:none;

border-radius:3px;

outline:0;

padding:7px;

}

#ph{

width:65px;

border:none;

border-radius:3px;

outline:0;

padding:7px;

}

#num{

width:230px;

padding:7px;

border:none;

border-radius:3px;

outline:0;

}

#sub{

width: 200px;

padding: 7px;

font-size: 16px;

font-family: sans-seriff;

font-style: italic;

font-weight: 600;

border: none;

border-radius: 3px;

}

**Connecting queries:**

hos\_reg.php

<html>

<body style=" background-image: url(loginpic.jpg);

height: 100%;

background-position: center;

background-repeat: no-repeat;

background-size: cover;" >

<?php

require "hosdb.php";

$pid=$\_POST["P\_id"];

$pco=$\_POST["P\_Contact\_No"];

$dob=$\_POST["DOB"];

$add=$\_POST["Address"];

$sex=$\_POST["Sex"];

$daa=$\_POST["Date\_admitted"];

$dad=$\_POST["Date\_discharged"];

$fna=$\_POST["F\_name"];

$mna=$\_POST["M\_name"];

$lna=$\_POST["L\_name"];

$rno=$\_POST["Room\_no"];

$sql = "INSERT INTO patient VALUES ('".$pid."','".$fna."','".$mna."','".$lna."','".$pco."','".$dob."','".$add."','".$sex."','".$daa."','".$dad. "','".$rno."')";

// echo $sql;

if ($conn->query($sql) === TRUE)

{

echo "<a href="suc.html"> Click here </a> to know the registration status " ;

}

else

{

echo "Error:" . $conn->error. "<br><a href="new\_user\_form.html">Go Back to Login!!!</a> ";

}

$conn->close();

?>

</body>

</html>

hosdb.php

<link rel="stylesheet" href="mystyle1.css" />

<?php

$servername = "localhost";

$username = "HR";

$password = "11";

$dbname = "ORCL";

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect\_error)

{

die("Connection failed: " . $conn->connect\_error);

}

?>

suc.html

<html>

<head>

<meta charset="utf-8">

<title> Welcome </title>

<link rel="stylesheet" href="mystyle1.css">

<body style="width: 100%; height: 100%;">

<div style="top: 40%; left: 33%; position: absolute;">

<div><font face="verdana" color="green" size="7">Registration Successful!</font></div>

</div>

</body>

</head>

</html>