

Assignment No.2

Startpage.html

```
<!DOCTYPE html>
<html>
<head>
<title>Menu</title>
</head>
<body>
<p><strong>Assignment no. 2</strong></p>
<br>
  <form>
    <input type="button" id="idname" value = "Query 1 :: List all the hotel details along with their rooms.
                                " onclick="q1()"/>

  </form>
  <br>
  <form>
    <input type="button" id="idname" value = "Query 2 :: Show the names of the hotels and their room
prices that cost more than $2000      " onclick="q2()"/><br>
  </form>
  <br>
  <form>
    <input type="button" id="idname" value = "Query 3 :: Find the names of the hotels for which no room is
booked.                                " onclick="q3()"/><br>
  </form>
  <br>
  <form>
    <input type="button" id="idname" value = "Query 4 :: Find the names of the guests who have not
booked room.                          " onclick="q4()"/><br>
  </form>
  <br>
  <form>
    <input type="button" id="idname" value = "Query 5 :: Display the total number of rooms for each hotel.
                                " onclick="q5()"/><br>
  </form>
  <br>
  <form>
    <input type="button" id="idname" value = "Query 6 :: List the price and type of all rooms at the Horizon
hotel.                                " onclick="q6()"/><br>
  </form>
  <br>
  <script type="text/javascript">
    function q1()
    {      window.open("query1.jsp","_self")      }
    function q2()
    {      window.open("query2.jsp","_self")      }
    function q3()
    {      window.open("query3.jsp","_self")      }
    function q4()
    {      window.open("query4.jsp","_self")      }
    function q5()
    {      window.open("query5.jsp","_self")      }
    function q6()
    {      window.open("query6.jsp","_self")      }
  </script>
</body>
</html>
```

Query1.jsp

```
<%@ page import ="java.sql. *" %>
<%@ page import ="javax.sql. *" %>
<%
//Register Driver
Class.forName("com.mysql.jdbc.Driver");
// create connection
java.sql.Connection con =
DriverManager.getConnection("jdbc:mysql://192.168.4.91:3306/te3174db","te3174","te3174");
Statement st= con.createStatement();
String sql1,sql2,sql3,sql4;
```

```

sql1=" select Hotel.hotelNo,hotelName,city,roomNo,roomType,price from Hotel inner join Room on
Hotel.hotelNo=Room.hotelNo;";
ResultSet rs=st.executeQuery(sql1);
out.print("hotel and Room details");
out.print("<BR>");
out.println("<table border='1'>");
out.println("<tr><th>H_No</th><th>Hotel</th><th>City</th><th>R_No</th><th>Type</th><th>Price</th></tr>");
while(rs.next())
{
    int h_no=rs.getInt("hotelNo");
    String name=rs.getString("hotelName");
    String ct=rs.getString("city");
    int r_no=rs.getInt("roomNo");
    String ty=rs.getString("roomType");
    int pri=rs.getInt("price");
    out.println("<tr><th>"+h_no+"</th><th>"+name+"</th><th>"+ct+"</th><th>"+r_no+"</th><th>"+ty+"</th><th>"+pri+"</th></tr>");
}
%>

```

Query2.jsp::

```

<%@ page import = "java.sql.*" %>
<%@ page import = "javax.sql.*" %>
<%
//Register Driver
Class.forName("com.mysql.jdbc.Driver");
// create connection
java.sql.Connection con =
DriverManager.getConnection("jdbc:mysql://192.168.4.91:3306/te3174db","te3174","te3174");
Statement st= con.createStatement();
String sql1,sql2,sql3,sql4;
sql1="select hotelName,roomNo,roomType,price from Hotel inner join Room on
Hotel.hotelNo=Room.hotelNo and Room.price > 2000;";
ResultSet rs=st.executeQuery(sql1);
out.print("Room Price less than 2000");
out.print("<BR>");
out.println("<table border='1'>");
out.println("<tr><th>Hotel</th><th>R_No</th><th>Type</th><th>Price</th></tr>");
while(rs.next())
{
    String name=rs.getString("hotelName");
    int r_no=rs.getInt("roomNo");
    String ty=rs.getString("roomType");
    int pri=rs.getInt("price");
    out.println("<tr><th>"+name+"</th><th>"+r_no+"</th><th>"+ty+"</th><th>"+pri+"</th></tr>");
}
%>

```

Query3::

```

<%@ page import = "java.sql.*" %>
<%@ page import = "javax.sql.*" %>
<%
//Register Driver
Class.forName("com.mysql.jdbc.Driver");
// create connection
java.sql.Connection con =
DriverManager.getConnection("jdbc:mysql://192.168.4.91:3306/te3174db","te3174","te3174");
Statement st= con.createStatement();
String sql1,sql2,sql3,sql4;
sql1="select hotelName,roomNo,dateFrom,dateTo from Hotel left join Booking on
Hotel.hotelNo=Booking.hotelNo;";
ResultSet rs=st.executeQuery(sql1);
out.print("3. Find the names of the hotels for which no room is booked.");
out.print("<BR>");
out.println("<table border='1'>");
out.println("<tr><th>Hotel</th><th>R_No</th><th>From</th><th>To</th></tr>");
while(rs.next())
{

```

```

String name=rs.getString("hotelName");
int r_no=rs.getInt("roomNo");
String fr=rs.getString("dateFrom");
String to=rs.getString("dateTo");

out.println("<tr><th>"+name+"</th><th>"+r_no+"</th><th>"+fr+"</th><th>"+to+"</th></tr>");
}
%>

```

Query4.jsp::

```

<%@ page import = "java.sql.*" %>
<%@ page import = "javax.sql.*" %>
<%
//Register Driver
Class.forName("com.mysql.jdbc.Driver");
// create connection
java.sql.Connection con =
DriverManager.getConnection("jdbc:mysql://192.168.4.91:3306/te3174db","te3174","te3174");
Statement st= con.createStatement();
String sql1,sql2,sql3,sql4;
sql1="select Guest.guestNo,guestFname,guestSname,guestAddress,dateFrom,dateTo,roomNo from
Booking right join Guest on Guest.guestNo=Booking.guestNo;";
ResultSet rs=st.executeQuery(sql1);
out.print("Find the names of the guests who have not booked room.");
out.print("<BR>");
out.println("<table border='1'>");
out.println("<tr><th>GuestNo</th><th>F_name</th><th>s_name</th><th>Address</th><th>From</th><th>To</th><th>Room</th></tr>");
while(rs.next())
{
    int G_no=rs.getInt("guestNo");
    String name1=rs.getString("guestFname");
    String name2=rs.getString("guestSname");
    String add=rs.getString("guestAddress");
    String fr=rs.getString("dateFrom");
    String to=rs.getString("dateTo");
    int r_no=rs.getInt("roomNo");
    out.println("<tr><th>"+G_no+"</th><th>"+name1+"</th><th>"+name2+"</th><th>"+add+"</th><th>"+fr+"</th><th>"+to+"</th><th>"+r_no+"</th></tr>");
}
%>

```

Query5.jsp::

```

<%@ page import = "java.sql.*" %>
<%@ page import = "javax.sql.*" %>
<%
//Register Driver
Class.forName("com.mysql.jdbc.Driver");
// create connection
java.sql.Connection con =
DriverManager.getConnection("jdbc:mysql://192.168.4.91:3306/te3174db","te3174","te3174");
Statement st= con.createStatement();
String sql1,sql2,sql3,sql4;
sql1="select count(roomNo) as RoomCount,hotelname from Hotel left join Room using (hotelNo) group by
Hotel.hotelNo;";
ResultSet rs=st.executeQuery(sql1);
out.print("hotel and Room count details ");
out.print("<BR>");
out.println("<table border='1'>");
out.println("<tr><th>Room Count</th><th>Hotel</th></tr>");
while(rs.next())
{
    int c=rs.getInt("RoomCount");
    String name=rs.getString("hotelName");
    out.println("<tr><th>"+c+"</th><th>"+name+"</th></tr>");
}
}

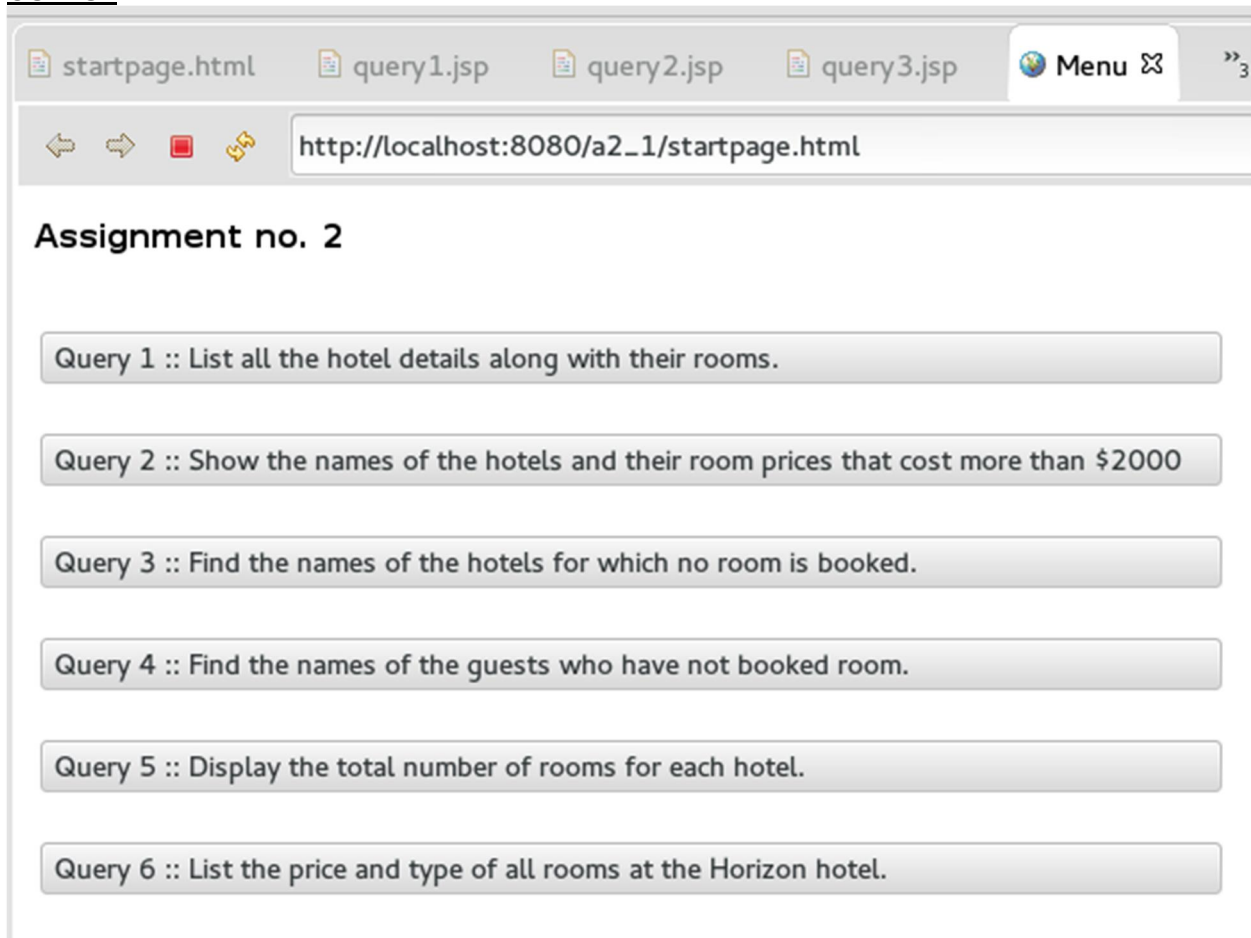
```

%>

Query6.jsp::

```
<%@ page import = "java.sql.*" %>
<%@ page import = "javax.sql.*" %>
<%
//Register Driver
Class.forName("com.mysql.jdbc.Driver");
// create connection
java.sql.Connection con =
DriverManager.getConnection("jdbc:mysql://192.168.4.91:3306/te3174db","te3174","te3174");
Statement st= con.createStatement();
String sql1,sql2,sql3,sql4;
sql1=" select Hotel.hotelNo,hotelName,roomNo,roomType,price from Hotel inner join Room on
Hotel.hotelNo=Room.hotelNo where Room.hotelNo=211;";
ResultSet rs=st.executeQuery(sql1);
out.print("hotel and Room details of Hotel Horizon");
out.print("<BR>");
out.println("<table border='1'>");
out.println("<tr><th>H_No</th><th>Hotel</th><th>R_No</th><th>Type</th><th>Price</th></tr>");
while(rs.next())
{
    int h_no=rs.getInt("hotelNo");
    String name=rs.getString("hotelName");
    int r_no=rs.getInt("roomNo");
    String ty=rs.getString("roomType");
    int pri=rs.getInt("price");
    out.println("<tr><th>"+h_no+"</th><th>"+name+"</th><th>"+r_no+"</th><th>"+ty+"</th><th>"+pri+"<
/th></tr>");
}
%>
```

OUTPUT



The screenshot shows a web browser window with the address bar displaying 'http://localhost:8080/a2_1/startpage.html'. The page content is titled 'Assignment no. 2'. On the left side, there is a sidebar with six queries listed in a light gray box. The queries are:

- Query 1 :: List all the hotel details along with their rooms.
- Query 2 :: Show the names of the hotels and their room prices that cost more than \$2000
- Query 3 :: Find the names of the hotels for which no room is booked.
- Query 4 :: Find the names of the guests who have not booked room.
- Query 5 :: Display the total number of rooms for each hotel.
- Query 6 :: List the price and type of all rooms at the Horizon hotel.

hotel and Room details

H_No	Hotel	City	R_No	Type	Price
103	Taj	Mumbai	1038	Delux	5000
103	Taj	Mumbai	1039	Suite	6900
142	Oberoy	Mumbai	1422	Delux	3990
142	Oberoy	Mumbai	1424	Suite	5000
211	Horizon	Pune	2111	AC	950
211	Horizon	Pune	2112	Non-AC	750
211	Horizon	Pune	2114	Delux	1990
252	Grand	Pune	2524	AC	855
252	Grand	Pune	2525	Non-AC	713
252	Grand	Pune	2526	Delux	1900
252	Grand	Pune	2527	Suite	3325
777	J W	Delhi	7772	Delux	5500
777	J W	Delhi	7777	Suite	6500

Room Price less than 2000

Hotel	R_No	Type	Price
Taj	1038	Delux	5000
Taj	1039	Suite	6900
Oberoy	1422	Delux	3990
Oberoy	1424	Suite	5000
Grand	2527	Suite	3325
J W	7772	Delux	5500
J W	7777	Suite	6500

startpage.html query1.jsp query2.jsp http://localhost:8080/a2_1/query3.jsp

3. Find the names of the hotels for which no room is booked.

Hotel	R_No	From	To
Taj	1039	16/6/16	18/6/16
Oberoy	1422	6/6/16	12/6/16
Horizon	2111	7/6/16	8/6/16
Horizon	2114	25/6/16	28/6/16
J W	0	null	null
Grand	0	null	null
Orchid	0	null	null
null	0	null	null

startpage.html query1.jsp query2.jsp http://localhost:8080/a2_1/query4.jsp

Find the names of the guests who have not booked room.

GuestNo	F_name	s_name	Address	From	To	Room
10397	Umar	L.	ring Road, Nagpur	16/6/16	18/6/16	1039
14226	Rajan	K.	Shivajinagar, Pune	6/6/16	12/6/16	1422
21111	Keyur	S.	Swargate, Pune	7/6/16	8/6/16	2111
21142	Jodha	A.	42-road, Agra	25/6/16	28/6/16	2114
77778	Karan	V.	vaco, Panji	null	null	0

hotel and Room count details

Room Count	Hotel
2	Taj
2	Oberoy
3	Horizon
4	Grand
0	Orchid
2	J W
0	null

hotel and Room details of Hotel Horizon

H_No	Hotel	R_No	Type	Price
211	Horizon	2111	AC	950
211	Horizon	2112	Non-AC	750
211	Horizon	2114	Delux	1990