Name: Hitendra Sisodia
Sap id: 500091910

Lab 12

Ques1: Create a database table to store the records of employee in a company. Use getConnection function to connect the database. The statement object uses executeUpdate function to create a table.

Source Code

```
package Lab12;
import java.sql.*;

public class EmployeeTable {
	public static void main(String args[]) {
		try {
			String url = "jdbc:mysql://localhost:3306/hitendra";
			String uname = "root";
			String pass = "hitendra";
			String query = "create table employee (Id int , name
varchar(20), salary int)";

			Class.forName("com.mysql.cj.jdbc.Driver");
			Connection con =
DriverManager.getConnection(url,uname,pass);
			Statement st = con.createStatement();
			st.executeUpdate(query);
		}
		catch(Exception e) {
			System.out.println(e);
		}
	}
}
```

Output

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Lab 12

Ques2: Create a database of employee of company in mysql and then use java program to access the database for inserting information of employees in database. The SQL statement can be used to view the details of the data of employees in the database.

Source Code

```
package Lab12;
import java.sql.*;

public class QuestionTwo {
	public static void main(String args[]) {
		try {
			String url = "jdbc:mysql://localhost:3306/hitendra";
			String uname = "root";
			String pass = "hitendra";
			String query1 = "insert into employee
values(1,'Rakesh',1000000)";
			String query2 = "insert into employee
values(2,'Om',500000)";
			String query3 = "insert into employee
values(3,'Hitendra',1000000)";

			Class.forName("com.mysql.cj.jdbc.Driver");
			Connection con =
DriverManager.getConnection(url,uname,pass);
			Statement st = con.createStatement();
			st.executeUpdate(query1);
			st.executeUpdate(query2);
			st.executeUpdate(query3);
		}
		catch(Exception e) {
			System.out.println(e);
		}
	}
}
```

Output

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Lab 12

Ques3: Create a table Meeting having columns (NameOfParticipant, MeetingID, ScheduledDay, Email, Mobile), Populate with random data and perform following operations. READ COMPLETE QUESTION TO POPULATE DATABASE.
a) Write a query to find the names of all participants for the meeting with ID 1144. Display the names on the console, preceded by the message, "Names of participants in meeting 1144".
b) Count the number of people participating in the meeting with ID 1105. Display a message on the console that gives both the meeting name and the number of participants.
c) Determine the names of all people who participate in meetings that meet on Tuesdays. Display the names, preceded by the message, "Participants attending Tuesday meetings".

Source Code

2)

```
package Meeting;
import java.sql.*;

public class CreateTableMeeting {
	public static void main(String args[]) {
		try {
			// creating meeting table
			String url = "jdbc:mysql://localhost:3306/hitendra";
			String uname = "root";
			String pass = "hitendra";
			Class.forName("com.mysql.cj.jdbc.Driver");
			String query = "create table meeting
(NameOfParticipant varchar(20), MeetingID int, ScheduledDay
varchar(10),Email varchar(50), Mobile varchar(10))";

			Connection con =
DriverManager.getConnection(url,uname,pass);
			Statement st = con.createStatement();
			st.executeUpdate(query);

			// Populating meeting table
			String query1 = "insert into meeting
values('Hitendra',1144,'Tuesday','Hitendra@gmail.com',9460939580)";
			String query2 = "insert into meeting
values('Himanshu',1144,'Tuesday','Himanshu@gmail.com',9895734895)";
			String query3 = "insert into meeting
values('Jatin',1103,'Monday','Jatin@gmail.com',9857345987)";
			String query4 = "insert into meeting
values('Rohit',1144,'Tuesday','Rohit@gmail.com',9348973443)";
```

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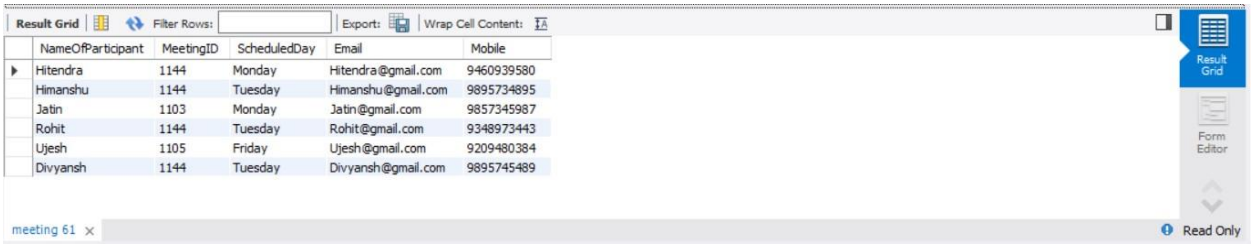
```
                String query5 = "insert into meeting
values('Ujesh',1105,'Friday','Ujesh@gmail.com',9209480384)";
                String query6 = "insert into meeting
values('Divyansh',1144,'Tuesday','Divyansh@gmail.com',9895745489)";
                String query7 = "insert into meeting
values('Hitendra_sisodia',1105,'Tuesday','Hitendra@gmail.com',98957454
89)";
                String query8 = "insert into meeting
values('Rakesh',1105,'Tuesday','Rakesh@gmail.com',9895745489)";
                st.executeUpdate(query1);
                st.executeUpdate(query2);
                st.executeUpdate(query3);
                st.executeUpdate(query4);
                st.executeUpdate(query5);
                st.executeUpdate(query6);
                st.executeUpdate(query7);
                st.executeUpdate(query8);
            }
            catch(Exception e) {
                System.out.println(e);
            }
        }
 }
```

Output



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

NameOfParticipant	MeetingID	ScheduledDay	Email	Mobile
Hitendra	1144	Monday	Hitendra@gmail.com	9460939580
Himanshu	1144	Tuesday	Himanshu@gmail.com	9895734895
Jatin	1103	Monday	Jatin@gmail.com	9857345987
Rohit	1144	Tuesday	Rohit@gmail.com	9348973443
Ujesh	1105	Friday	Ujesh@gmail.com	9209480384
Divyansh	1144	Tuesday	Divyansh@gmail.com	9895745489

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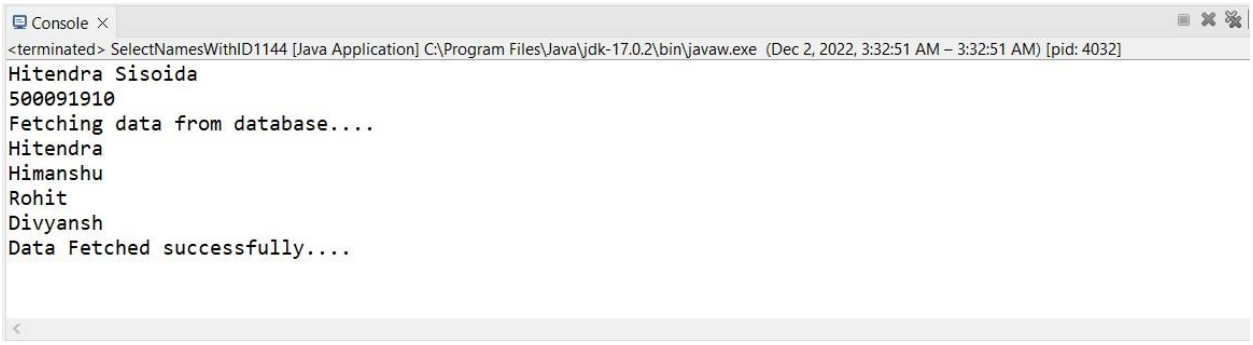
Lab 12

a)

```
package Meeting;
import java.sql.*;

public class SelectNamesWithID1144 {
	public static void main(String args[]) {
		System.out.println("Hitendra Sisoida");
		System.out.println("500091910");
		try {
			String url = "jdbc:mysql://localhost:3306/hitendra";
			String uname = "root";
			String pass = "hitendra";
			String query = "select NameOfParticipant from meeting
where MeetingId = 1144";
			Connection con =
DriverManager.getConnection(url,uname,pass);
			Statement st = con.createStatement();
			ResultSet rs = st.executeQuery(query);
			System.out.println("Fetching data from database....");
			while(rs.next()) {
				System.out.println(rs.getString(1));
			}
			System.out.println("Data Fetched successfully....");
		}
		catch(Exception e) {
			System.out.println(e);
		}
	}
 }
```

Output



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Lab 12

b)

```
package Meeting;
import java.sql.*;
import java.util.*;

public class SelectNumberOfParticipant {
	public static void main(String args[]) {
		System.out.println("Hitendra Sisoida");
		System.out.println("500091910");
		try {
			String url = "jdbc:mysql://localhost:3306/hitendra";
			String uname = "root";
			String pass = "hitendra";
			String query = "select
NameOfParticipant,count(NameOfParticipant) from meeting where
MeetingId = 1105 group by NameOfParticipant";
			Connection con =
DriverManager.getConnection(url,uname,pass);
			Statement st = con.createStatement();
			ResultSet rs = st.executeQuery(query);
			int totalNum = 0;
			System.out.println("Fetching data from database....");
			while(rs.next()) {
				System.out.println(rs.getString(1)+"
"+rs.getInt(2));
				totalNum += rs.getInt(2);
			}
			System.out.println("Total Number Of Participant With
Id 1105: "+totalNum);
			System.out.println("Data Fetched successfully....");
		}
		catch(Exception e) {
			System.out.println(e);
		}
	}
}
```

Output

```
Console ×
<terminated> SelectNumberOfParticipant [Java Application] C:\Program Files\Java\jdk-17.0.2\bin\javaw.exe  (Dec 2, 2022, 3:49:34 AM – 3:49:35 AM) [pid: 19264]
Hitendra Sisoida
500091910
Fetching data from database....
Ujesh 1
Hitendra_sisodia 1
Rakesh 1
Total Number Of Participant With Id 1105: 3
Data Fetched successfully....
```

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Sap id: 500091910

Lab 12

c)

```
package Meeting;
import java.sql.*;
import java.util.*;

public class SelectNamesOfParticipantOnTuesday {
	public static void main(String args[]) {
		System.out.println("Hitendra Sisoida");
		System.out.println("500091910");
		try {
			String url = "jdbc:mysql://localhost:3306/hitendra";
			String uname = "root";
			String pass = "hitendra";
			String query = "select NameOfParticipant from meeting
where ScheduledDay = 'Tuesday'";
			Connection con =
DriverManager.getConnection(url,uname,pass);
			Statement st = con.createStatement();
			ResultSet rs = st.executeQuery(query);
			System.out.println("Participants attending Tuesday
meetings");
			while(rs.next()) {
				System.out.println(rs.getString(1));
			}
		}
		catch(Exception e) {
			System.out.println(e);
		}
	}
}
```

Output