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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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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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)";

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',9895745489)";

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) {

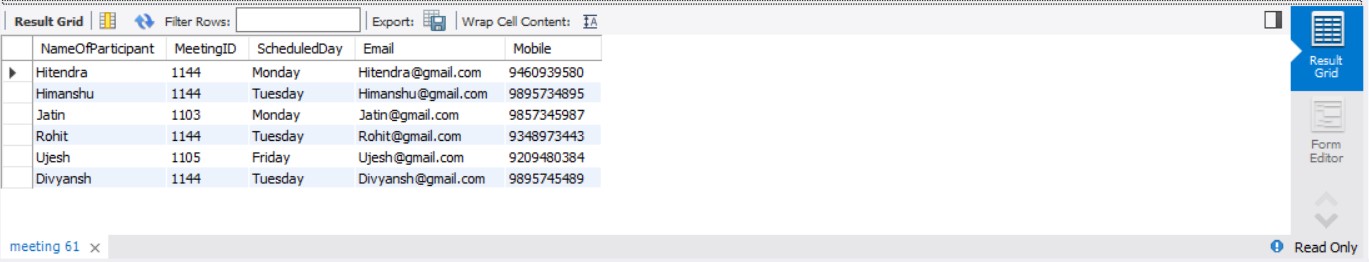
System.***out***.println(e);

}

}

}

Output

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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) {

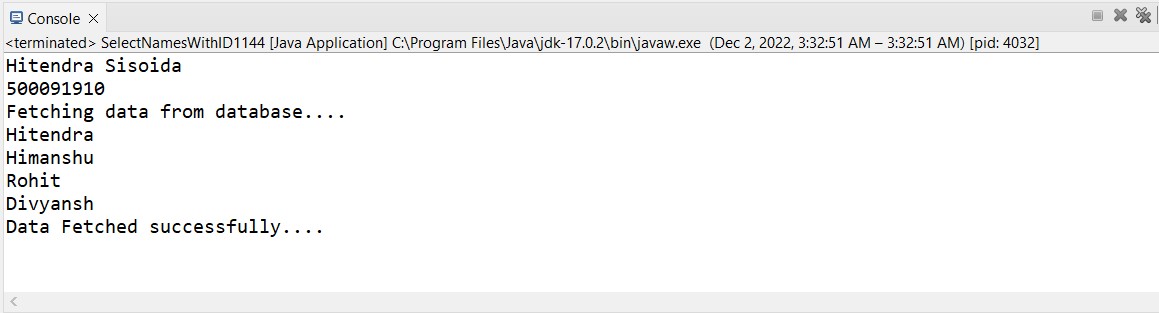
System.***out***.println(e);

}

}

}

Output

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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) {

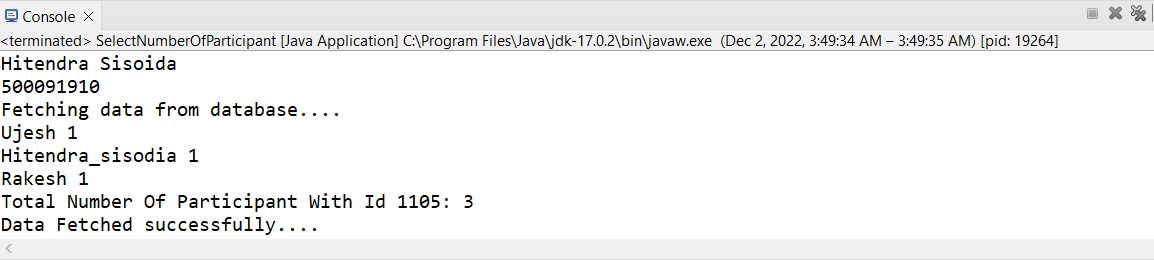
System.***out***.println(e);

}

}

}

Output

****

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

