Problem-1

1. Write a program to create a connection with MySQL database.

2. Write a program to select all the records from the table.

Code-

**1. CreateConnection.java**

package jdbcConnectivity;

import java.sql.Connection;

import java.sql.DriverManager;

public class CreateConnection {

public static void main(String[] args) {

try {

//creating Connection object

Connection con=null;

//Register the driver

Class.forName("com.mysql.cj.jdbc.Driver");

//established the connection

con=DriverManager.getConnection("jdbc:mysql://127.0.0.1:3307/studentmanagementsystem",

"root", "New@123@#$%^&\*");

//printing Connection Object

System.out.println("Connection: "+con);

}catch (Exception e) {

System.out.println(e);

}

}

}

**2. CreateTableWithSelectQuery.java**

package jdbcConnectivity;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.Statement;

public class CreateTableWithSelectQuery {

public static void main(String[] args) {

try {

// creating Connection object

Connection con = null;

// Register the driver

Class.forName("com.mysql.cj.jdbc.Driver");

// established the connection

con = DriverManager.getConnection("jdbc:mysql://127.0.0.1:3307/studentmanagementsystem", "root", "New@123@#$%^&\*");

// printing Connection Object

System.out.println("Connection: " + con);

// creating statement

Statement stmt = con.createStatement();

String sql = "create table Employee(eid int primary key auto\_increment,name varchar(30)"

+ " not null,address varchar(50) not null,salary int not null)";

stmt.executeUpdate(sql);

System.out.println("table creation done successfully");

// select query

String selectQuery = "select \* from Employee";

// executing query

ResultSet rs = stmt.executeQuery(selectQuery);

// checking data is present or not

while (rs.next()) {

System.out.println("Id: " + rs.getInt(1));

// using getString(String columnLabel) method

System.out.println("Name:" + rs.getString("name"));

// using getString(int columnIndex) method

System.out.println("Address: " + rs.getString(3));

// using getString(String columnLabel) method

System.out.println("salary: " + rs.getString("salary"));

System.out.println("===============================================");

}

} catch (Exception e) {

System.out.println(e);

}

}

}

Output-

table creation done successfully