1. **Java program for Insertion in Database**

package Javaprg;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

public class javainsert {

public static void main(String args[]) throws ClassNotFoundException{

try{

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

Connection con=DriverManager.getConnection(

"jdbc:mysql://localhost:3306/test","root","");

//here Test is database name, root is username and password

//insert query

String sql = "INSERT INTO employee (id, name, age) VALUES (?,?,?)";

PreparedStatement statement = con.prepareStatement(sql);

statement.setInt(1, 105);

statement.setString(2, "aakash");

statement.setInt(3, 25);

int rowsInserted = statement.executeUpdate();

if (rowsInserted > 0) {

System.out.println("A new user was inserted successfully!");

System.out.println("Record created.");

} }catch(Exception e){ System.out.println(e);}

} }

**Java program for Updation in Database**

package Javaprg;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import com.mysql.cj.xdevapi.PreparableStatement;

public class javaupdate {

public static void main(String args[]) throws ClassNotFoundException{

try{

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

Connection con=DriverManager.getConnection(

"jdbc:mysql://localhost:3306/test","root","");

//here Test is database name, root is username and password

String name1="sudip";

int id1=105;

//update query

PreparedStatement statement = con.prepareStatement("update employee set name=? where id=?");

statement.setString(1, name1);

statement.setInt(2, id1);

int rowsInserted = statement.executeUpdate();

if (rowsInserted > 0) {

System.out.println("A new user was updated successfully!");

}

}catch(Exception e){ System.out.println(e);}

System.out.println("Connection established.");

}

}

**Java program for Deletion in Database**

package Javaprg;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import com.mysql.cj.xdevapi.PreparableStatement;

public class javadelete {

public static void main(String args[]) throws ClassNotFoundException{

try{

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

Connection con=DriverManager.getConnection(

"jdbc:mysql://localhost:3306/test","root","");

//here Test is database name, root is username and password

int id1=105;

//delete query

PreparedStatement statement = con.prepareStatement("delete from employee where id=?");

statement.setInt(1, id1);

int rowsInserted = statement.executeUpdate();

if (rowsInserted > 0) {

System.out.println("A new user was deleted successfully!");

}

}catch(Exception e){ System.out.println(e);}

System.out.println("Connection established.");

}

}

**Java program for fetching data from Database**

**package** Javaprg;

**import** java.sql.\*;

**public** **class** javaselect {

// **TODO** Auto-generated method stub

**public** **static** **void** main(String args[]) **throws** ClassNotFoundException{

**try**{

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

Connection con=DriverManager.*getConnection*(

"jdbc:mysql://localhost:3306/test","root","");

//here Test is database name, root is username and password

PreparedStatement stmt=con.prepareStatement("select \* from employee");

ResultSet rs=stmt.executeQuery();

**while**(rs.next()) {

String name1=rs.getString("name");

System.***out***.println("NAME:= " + name1);

**int** id1=rs.getInt("id");

System.***out***.println("ID:= " + id1);

**int** age1=rs.getInt("AGE");

System.***out***.println("AGE:= " + age1);

System.***out***.println("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

}

con.close();

} **catch** (SQLException e) {

e.printStackTrace();

}

}}