26th may 2025 work in JDBC   
  
  
  
package crud\_operations;

import java.sql.\*;

import java.util.\*;

public class Crud\_operations {

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

int id=sc.nextInt();

String name=sc.nextLine();

int marks=sc.nextInt();

// TODO Auto-generated method stub

Crud\_operations objTest=new Crud\_operations();

objTest.create\_data(id,name,marks);

//objTest.create\_data("103", "manoj", 55);

//objTest.create\_data("104", "karthick", 65);

}

public void create\_data(int id,String name,int marks){

DB\_Connection obj\_DB\_Connection=new DB\_Connection();

Connection connection=obj\_DB\_Connection.get\_connection();

PreparedStatement ps=null;

try {

String query="insert into student values (?,?,?)";

ps=connection.prepareStatement(query);

ps.setInt(1, id);

ps.setString(2, name);

ps.setInt(3, marks);

System.out.println(ps);

ps.executeUpdate();

} catch (Exception e) {

System.out.println(e);

}

}

}

Select operation:

**package** crud\_operations;

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

**public** **class** Read\_table {

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

DB\_Connection obj\_DB\_Connection=**new** DB\_Connection();

Connection connection=obj\_DB\_Connection.get\_connection();

PreparedStatement ps=**null**;

ResultSet rs=**null**;

**try** {

String query="select \* from student ";

ps=connection.prepareStatement(query);

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

rs=ps.executeQuery();

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

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

System.***out***.println("Name -"+rs.getString(2));

System.***out***.println("Marks -"+rs.getInt(3));

}

} **catch** (Exception e) {

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

}

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

}

}

Update query:

**package** crud\_operations;

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

**import** java.util.Scanner;

**public** **class** Read\_table {

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

Scanner sc = **new** Scanner(System.***in***);

**int** id = sc.nextInt();

sc.nextLine();

**int** new\_id = sc.nextInt();

sc.nextLine();

String name = sc.nextLine();

**int** marks = sc.nextInt();

Read\_table obj = **new** Read\_table();

obj.update\_data(id, new\_id, name, marks);

sc.close();

}

**public** **void** update\_data(**int** id, **int** new\_id, String name, **int** marks) {

DB\_Connection obj\_DB\_Connection = **new** DB\_Connection();

Connection connection = obj\_DB\_Connection.get\_connection();

PreparedStatement ps = **null**;

**try** {

String query = "UPDATE student SET id = ?, name = ?, marks = ? WHERE id = ?";

ps = connection.prepareStatement(query);

ps.setInt(4, id);

ps.setInt(1, new\_id);

ps.setString(2, name);

ps.setInt(3, marks);

**int** rows = ps.executeUpdate();

**if** (rows > 0) {

System.***out***.println(" Record updated successfully.");

} **else** {

System.***out***.println(" No record found with sl\_no: " + id);

}

} **catch** (Exception e) {

System.***out***.println("Error: " + e);

}

}

}

Alter the table:

**package** crud\_operations;

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

**public** **class** Read\_table {

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

DB\_Connection obj\_DB\_Connection = **new** DB\_Connection();

Connection connection = obj\_DB\_Connection.get\_connection();

Statement stmt = **null**;

**try** {

stmt = connection.createStatement();

String query = "alter table student add column email varchar(100)";

stmt.executeUpdate(query);

System.out.println("Column added");

} **catch** (SQLException e) {

System.out.println("Error: " + e);

}

}

}

Delete the row with id:

**package** crud\_operations;

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

**import** java.util.Scanner;

**public** **class** Read\_table {

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

Scanner sc=**new** Scanner(System.in);

**int** id=sc.nextInt();

sc.nextLine();

Read\_table obj = **new** Read\_table();

obj.delete\_data(id);

}

**public** **void** delete\_data(**int** id){

DB\_Connection obj\_DB\_Connection=**new** DB\_Connection();

Connection connection=obj\_DB\_Connection.get\_connection();

PreparedStatement ps=**null**;

**try** {

String query="delete from student where id=?";

ps=connection.prepareStatement(query);

ps.setInt(1, id);

System.out.println(ps);

**int** rows = ps.executeUpdate();

**if** (rows > 0) {

System.out.println("Record deleted successfully.");

} **else** {

System.out.println("No record found with ID: " + id);

}

} **catch** (Exception e) {

System.out.println(e);

}

}

}