

Q1. write a java Program to print data of student whose id is Match with specified Id?

```
/*
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 */
package com.ram.dao;

import com.ram.bean.StudentBean;
import com.ram.utility.ConnectionPool;
import java.sql.*;
import java.util.ArrayList;
import java.util.logging.Level;
import java.util.logging.Logger;

public class StudentDAO {

    static Connection conn;

    public int addStudent(StudentBean sb) {
        conn = ConnectionPool.connectDB();
        int r = 0;
        //step3:
        int total = sb.getC() + sb.getE() + sb.getH() + sb.getM() + sb.getP();
        float per = total / 5.0f;
        String sql = "insert into student values('" + sb.getSid() + "','" + sb.getName()
+ "','" + sb.getEnroll() + "','" + sb.getM() + "','" + sb.getP() + "','" + sb.getC() + "','"
+ sb.getH() + "','" + sb.getE() + "'," + per + "'," + total + "')";
        //step4:
        Statement stmt;
        try {
            stmt = conn.createStatement();
            //step5:
            r = stmt.executeUpdate(sql);
            //step6:
            conn.close();
        } catch (SQLException ex) {
```

```
        Logger.getLogger(StudentDAO.class.getName()).log(Level.SEVERE, null,
ex);
    }
}
```

```
    return r;
}

public int updateStudent(StudentBean sb) {
    conn = ConnectionPool.connectDB();
    int r = 0;
    //step3:
    int total = sb.getC() + sb.getE() + sb.getH() + sb.getM() + sb.getP();
    float per = total / 5.0f;
    String sql = "update student set name='" + sb.getName() + "',enroll='" +
sb.getEnroll() + "',p='" + sb.getP() + "',c='" + sb.getC() + "',m='" + sb.getM() +
"',e='" + sb.getE() + "',h='" + sb.getH() + "',per='" + per + "',total='" + total + "'
where sid='" + sb.getSid() + "'";
    //step4:
    Statement stmt;
    try {
        stmt = conn.createStatement();
        //step5:
        r = stmt.executeUpdate(sql);
        //step6:
        conn.close();
    } catch (SQLException ex) {
        Logger.getLogger(StudentDAO.class.getName()).log(Level.SEVERE, null,
ex);
    }

    return r;
}
```

```
public int deleteStudent(int id) {
    conn = ConnectionPool.connectDB();
    //step3: Write SQL Query
    String sql = "delete from student where sid='" + id + "'";
    int r = 0;
    try {
```

```

//step4: Create Object of Statement
Statement stmt = conn.createStatement();
//step5: Call executeUpdate() method
r = stmt.executeUpdate(sql);
//step6: Close The Connection
conn.close();
} catch (SQLException ex) {
    Logger.getLogger(StudentDAO.class.getName()).log(Level.SEVERE, null,
ex);
}
return r;
}

```

```

public ArrayList<StudentBean> findAll() {
    ArrayList<StudentBean> list = new ArrayList<StudentBean>();
    conn = ConnectionPool.connectDB();
//step3: Write A Sql Query
String sql="select * from student";
    try {
        //step4: Create Object of Statement
        Statement stmt=conn.createStatement();
        //step5: Call executeQuery()
        ResultSet rs=stmt.executeQuery(sql);
        while(rs.next()){
            //stepA: Create an Object of StudentBean
            StudentBean x=new StudentBean();
            //StepB: Fetch data from ResultSet and set Into StudentBean Object
            x.setC(rs.getInt("c"));
            x.setE(rs.getInt("e"));
            x.setEnroll(rs.getString("enroll"));
            x.setH(rs.getInt("h"));
            x.setM(rs.getInt("m"));
            x.setName(rs.getString("name"));
            x.setP(rs.getInt("p"));
            x.setPer(rs.getFloat("per"));
            x.setSid(rs.getInt("sid"));
            x.setTotal(rs.getInt("total"));
            //StepC: Add x object into list
            list.add(x);
        }
    }
}

```

```

    }
    conn.close();
} catch (SQLException ex) {
    Logger.getLogger(StudentDAO.class.getName()).log(Level.SEVERE, null,
ex);
}

```

```

    return list;
}

```

```

public StudentBean findABYId(int id) {
    StudentBean x=new StudentBean();
    conn = ConnectionPool.connectDB();
//step3: Write A Sql Query
String sql="select * from student where sid='"+id+"'";
    try {
        //step4: Create Object of Statement
        Statement stmt=conn.createStatement();
        //step5: Call executeQuery()
        ResultSet rs=stmt.executeQuery(sql);
        while(rs.next()){
            //stepA: Create an Object of StudentBean

            //StepB: Fetch data from ResultSet and set Into StudentBean Object
            x.setC(rs.getInt("c"));
            x.setE(rs.getInt("e"));
            x.setEnroll(rs.getString("enroll"));
            x.setH(rs.getInt("h"));
            x.setM(rs.getInt("m"));
            x.setName(rs.getString("name"));
            x.setP(rs.getInt("p"));
            x.setPer(rs.getFloat("per"));
            x.setSid(rs.getInt("sid"));
            x.setTotal(rs.getInt("total"));

        }
    }
}

```

```

        conn.close();
    } catch (SQLException ex) {
        Logger.getLogger(StudentDAO.class.getName()).log(Level.SEVERE, null,
ex);
    }

    return x;
}

```

```

public static void main(String[] args) {
    //5. Call findById()
    StudentDAO sd=new StudentDAO();
    StudentBean sb=sd.findABYId(103);
    System.out.println("\t"+sb.getSid()+"\t"+sb.getName()+"\t"+sb.getEnroll()+"\t"+
sb.getP()+"\t"+sb.getM()+"\t"+sb.getC()+"\t"+sb.getH()+"\t"+sb.getE()+"\t"+sb.g
etPer()+"\t"+sb.getTotal());

    //    //4. Call findAll method
    //    StudentDAO sd=new StudentDAO();
    //    ArrayList<StudentBean> al=sd.findAll();
    //    for(StudentBean sb:al){
    //
    System.out.println("\t"+sb.getSid()+"\t"+sb.getName()+"\t"+sb.getEnroll()+"\t"+
sb.getP()+"\t"+sb.getM()+"\t"+sb.getC()+"\t"+sb.getH()+"\t"+sb.getE()+"\t"+sb.g
etPer()+"\t"+sb.getTotal());
    //    }
    //    StudentDAO sd = new StudentDAO();
    //    int result = sd.deleteStudent(106);
    //    if (result > 0) {
    //        System.out.println("Data Deletion success");
    //    } else {
    //        System.out.println("Data Deletion Fail");
    //    }
    //1. call addStudent() method
    //    StudentBean s=new StudentBean();

```

```

//    s.setC(67);
//    s.setE(56);
//    s.setEnroll("0123CS2");
//    s.setH(89);
//    s.setName("YYY");
//    s.setP(56);
//    s.setM(88);
//    s.setSid(106);
//    StudentDAO sd= new StudentDAO();
//    int r= sd.addStudent(s);
//    if(r>0){
//        System.out.println("Data update success");
//    }else{
//        System.out.println("Data not updated");
//    }
//2. Call updateStudent()
//    StudentBean s=new StudentBean();
//    s.setC(67);
//    s.setE(56);
//    s.setEnroll("0123CS2");
//    s.setH(89);
//    s.setName("YYY");
//    s.setP(56);
//    s.setM(88);
//    s.setSid(106);
//    StudentDAO sd= new StudentDAO();
//    int r= sd.updateStudent(s);
//    if(r>0){
//        System.out.println("Data update success");
//    }else{
//        System.out.println("Data not updated");
//    }
//3. call deleteStudent()
//    StudentDAO sd = new StudentDAO();
//    int result = sd.deleteStudent(106);
//    if (result > 0) {
//        System.out.println("Data Deletion success");
//    } else {
//        System.out.println("Data Deletion Fail");

```

```
// }
```

```
 }  
}
```

```
/*  
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 */
```

```
package com.ram.bean;
```

```
/**  
 *  
 * @author Admin  
 */
```

```
public class UsersBean {  
    private int uid;  
    private String name;  
    private String username;  
    private String password;  
    private String email;  
    private String mobile;
```

```
    public UsersBean() {  
    }
```

```
    public UsersBean(int uid, String name, String username, String password,  
String email, String mobile) {  
        this.uid = uid;  
        this.name = name;  
        this.username = username;  
        this.password = password;  
        this.email = email;  
        this.mobile = mobile;  
    }
```

```
    public int getUid() {
```

```
        return uid;
    }

    public void setUid(int uid) {
        this.uid = uid;
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

    public String getUsername() {
        return username;
    }

    public void setUsername(String username) {
        this.username = username;
    }

    public String getPassword() {
        return password;
    }

    public void setPassword(String password) {
        this.password = password;
    }

    public String getEmail() {
        return email;
    }

    public void setEmail(String email) {
        this.email = email;
    }
}
```



```

    public String getMobile() {
        return mobile;
    }

    public void setMobile(String mobile) {
        this.mobile = mobile;
    }

}



---


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 */
package com.ram.dao;

import com.ram.bean.UsersBean;
import com.ram.utility.ConnectionPool;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;

public class UsersDAO {
    static Connection conn;
    public int registerUser(UsersBean ub){
        int r=0;
        //step1:
        //step2:
        conn=ConnectionPool.connectDB();
        //step3:

```

```

String sql="insert into users
values('"+ub.getUid()+"','"+ub.getName()+"','"+ub.getUsername()+"','"+ub.getPa
ssword()+"','"+ub.getEmail()+"','"+ub.getMobile()+"')";
try {
    //step4:
    Statement stmt=conn.createStatement();
    //step5:
    r=stmt.executeUpdate(sql);
    //step6:
    conn.close();
} catch (SQLException ex) {
    Logger.getLogger(UsersDAO.class.getName()).log(Level.SEVERE, null, ex);
}

return r;

}

public int loginCheck(String userName,String password){
    int id=0;
    conn=ConnectionPool.connectDB();
    String sql="select uid from users where username='"+userName+"' and
password='"+password+"'";
    try {
        Statement stmt=conn.createStatement();

        ResultSet rs=stmt.executeQuery(sql);
        if(rs.next()){
            id=rs.getInt("uid");
        }
        conn.close();
    } catch (SQLException ex) {
        Logger.getLogger(UsersDAO.class.getName()).log(Level.SEVERE, null, ex);
    }

    return id;

}

public static void main(String[] args) {

```

```
    //1. call registerUser()
//    UsersBean ub=new UsersBean();
//    ub.setUid(101);
//    ub.setName("Ram");
//    ub.setUsername("Ram123");
//    ub.setPassword("1234");
//    ub.setEmail("ram@gmail.com");
//    ub.setMobile("7648904739");
//
//    UsersDAO ud=new UsersDAO();
//    int r=ud.registerUser(ub);
//    if(r>0){
//        System.out.println("Registration success");
//    }else{
//        System.out.println("Registration fail");
//    }
//
UsersDAO ud=new UsersDAO();
int r=ud.loginCheck("Ram123", "12345");
if(r>0){
    System.out.println("Login Success");
}else{
    System.out.println("Login Fail");
}
}
```
