

```

import java.awt.*;

import java.awt.event.*;

import java.sql.*;

public class da21 extends Frame implements ActionListener
{
    static Connection con;

    static Statement sa;

    static ResultSet rs;

    Label l1,l2;

    TextField t1,t2;

    Button b1,b2,b3,b4;

    Panel p;

    public da21()
    {
        super("using database ");
        setBackground(Color.gray);

        l1=new Label("roll");
        l2=new Label("name");
        t1=new TextField(10);
        t2=new TextField(10);
        b1=new Button("Exit");
        b2=new Button("next");
        b3=new Button("save");
        b4=new Button("clear");
        p=new Panel();
        b1.addActionListener(this);
        b2.addActionListener(this);
        b3.addActionListener(this);
        b4.addActionListener(this);
    }
}

```

```
p.add(l1);
p.add(t1);
p.add(l2);
p.add(t2);
p.add(b1);
p.add(b2);
p.add(b3);
p.add(b4);
p.setLayout(new GridLayout(4,2));
add(p);
pack();
setVisible(true);
    }
```

```
public static void main(String args[])
{
    da21 d=new da21();
    try
    {
        Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
        con=DriverManager.getConnection("jdbc:odbc:ww");
        sa=con.createStatement();
        rs=sa.executeQuery("select roll,sname from student");
        rs.next();
    }
    catch(Exception e)
    {
        System.out.println("error"+e);
    }
    d.show(rs);
}
```

```

    }

    public void actionPerformed(ActionEvent e2)
    {
        if(e2.getSource()==b1)
        {
            try
            {
                System.exit(0);
            }
            catch(Exception e)
            {
            }
        }
        else if(e2.getSource()==b2)
        {
            try
            {
                rs.next();
            }
            catch(Exception e)
            {
            }
            show(rs);
        }

        else if(e2.getSource()==b3)
        {
            try
            {
                sa.executeUpdate("insert into student
values('"+t1.getText()+"','"+t2.getText()+"')");

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        System.out.println("one record saved");
    }
    catch(Exception e)
    {
        System.out.println("error");
    }
    show(rs);
}
else if(e2.getSource()==b4)
{
    try
    {
        t1.setText("");
        t2.setText("");
    }
    catch(Exception e)
    {
    }
}
}

}

public void show(ResultSet rs)
{
    try
    {
        t1.setText(rs.getString(1));
        t2.setText(rs.getString(2));
    }
    catch(Exception e)
    {

```

```
        //      System.out.println("error"+e);
    }

}
```