

Day before tests of Java Final test.

IDM institution of Bandarawela

Project for department of education

Applet Viewer: Doenets.class

Applet

Index Number	<input type="text"/>	Medium	<input type="text"/>	< Clear
District Code	<input type="text"/>	District	<input type="text"/>	< Clear
Chemistry	<input type="text"/>	Grade	<input type="text"/>	< Clear
Physics	<input type="text"/>	Grade	<input type="text"/>	< Clear
Com. Maths	<input type="text"/>	Grade	<input type="text"/>	< Clear
English	<input type="text"/>	Grade	<input type="text"/>	< Clear
Gen. Test	<input type="text"/>	Result	<input type="text"/>	< Clear
Total Mar...	<input type="text"/>	Average	<input type="text"/>	< Clear
Result Su...	<input type="text"/>	Selection	<input type="text"/>	< Clear
More	<input type="text"/>			Clear All
Exellent <input type="checkbox"/>	Very good <input type="checkbox"/>	Good <input type="checkbox"/>	General <input type="checkbox"/>	Show Col...

```
import javax.swing.*;
import java.awt.*;
import java.awt.event.*;
```

```
public class Doenets extends JApplet implements ActionListener
{
```

```
JLabel lblNu, lblMe, lblNa, lblCh, lblPh, lblCo, lblEn, lblGn, lblQ1, lblQ2, lblQ3, lblQ4;
```

```
JTextField
```

```
txtAa, txtAb, txtAc, txtAd, txtAe, txtAf, txtAg, txtAh, txtAi, txtAj, txtAk, txtAl, txtAm, txtAn, txtAo, txtAp, txtAq, txtAr, txtAs, txtQ1,
txtQ2, txtQ3, txtQ4;
```

```
JButton
```

```
btnIn, btnGr1, btnGr2, btnGr3, btnGr4, btnRe1, btnTo, btnAv, btnRe2, btnSe, btnMo, btnS1, btnS2, btnS3, btnS4, btnS5, bt
nS6, btnS7, btnS8, btnS9, btnS10, btnSc;
```

```
public void init()
```

```
{
```

```
lblNu=new JLabel("Index Number");
```

```
lblMe=new JLabel("Medium");
```

```
lblNa=new JLabel("District Code");
```

```
lblCh=new JLabel("Chemistry");
```

```
lblPh=new JLabel("Physics");
lblCo=new JLabel("Com. Maths");
lblEn=new JLabel("English");
lblGn=new JLabel("Gen. Test");
lblQ1=new JLabel("Exellent");
lblQ2=new JLabel("Very good");
lblQ3=new JLabel("Good");
lblQ4=new JLabel("Genaral");
```

```
txtAa=new JTextField();
txtAb=new JTextField();
txtAc=new JTextField();
txtAd=new JTextField();
txtAe=new JTextField();
txtAf=new JTextField();
txtAg=new JTextField();
txtAh=new JTextField();
txtAi=new JTextField();
txtAj=new JTextField();
txtAk=new JTextField();
txtAl=new JTextField();
txtAm=new JTextField();
txtAn=new JTextField();
txtAo=new JTextField();
txtAp=new JTextField();
txtAq=new JTextField();
txtAr=new JTextField();
txtAs=new JTextField();
txtQ1=new JTextField();
txtQ2=new JTextField();
txtQ3=new JTextField();
txtQ4=new JTextField();
```

```
btnIn=new JButton("District");
btnGr1=new JButton("Grade");
btnGr2=new JButton("Grade");
btnGr3=new JButton("Grade");
btnGr4=new JButton("Grade");
btnRe1=new JButton("Result");
btnTo=new JButton("Total Marks");
btnAv=new JButton("Average");
btnRe2=new JButton("Result Summery");
btnSe=new JButton("Selection");
btnMo=new JButton("More");
btnS1=new JButton("<- Clear");
btnS2=new JButton("<- Clear");
btnS3=new JButton("<- Clear");
btnS4=new JButton("<- Clear");
btnS5=new JButton("<- Clear");
btnS6=new JButton("<- Clear");
btnS7=new JButton("<- Clear");
btnS8=new JButton("<- Clear");
btnS9=new JButton("<- Clear");
btnS10=new JButton("Clear All");
btnSc=new JButton("Show Colors");
```

```
setLayout(null);
```

lblNu.setBounds(30,30,100,24);
lblNa.setBounds(30,60,100,24);
lblCh.setBounds(30,90,100,24);
lblPh.setBounds(30,120,100,24);
lblCo.setBounds(30,150,100,24);
lblEn.setBounds(30,180,100,24);
lblGn.setBounds(30,210,100,24);
lblMe.setBounds(270,30,100,24);
lblQ1.setBounds(30,340,100,24);
lblQ2.setBounds(150,340,100,24);
lblQ3.setBounds(270,340,100,24);
lblQ4.setBounds(390,340,100,24);

txtAa.setBounds(150,30,100,24);
txtAb.setBounds(390,30,100,24);
txtAc.setBounds(150,60,100,24);
txtAd.setBounds(390,60,100,24);
txtAe.setBounds(150,90,100,24);
txtAf.setBounds(390,90,100,24);
txtAg.setBounds(150,120,100,24);
txtAh.setBounds(390,120,100,24);
txtAi.setBounds(150,150,100,24);
txtAj.setBounds(390,150,100,24);
txtAk.setBounds(150,180,100,24);
txtAl.setBounds(390,180,100,24);
txtAm.setBounds(150,210,100,24);
txtAn.setBounds(390,210,100,24);
txtAo.setBounds(150,240,100,24);
txtAp.setBounds(390,240,100,24);
txtAq.setBounds(150,270,100,24);
txtAr.setBounds(390,270,100,24);
txtAs.setBounds(150,300,340,24);
txtQ1.setBounds(100,330,24,24);
txtQ2.setBounds(220,330,24,24);
txtQ3.setBounds(340,330,24,24);
txtQ4.setBounds(460,330,24,24);

btnIn.setBounds(270,60,100,24);
btnGr1.setBounds(270,90,100,24);
btnGr2.setBounds(270,120,100,24);
btnGr3.setBounds(270,150,100,24);
btnGr4.setBounds(270,180,100,24);
btnRe1.setBounds(270,210,100,24);
btnTo.setBounds(30,240,100,24);
btnAv.setBounds(270,240,100,24);
btnRe2.setBounds(30,270,100,24);
btnSe.setBounds(270,270,100,24);
btnMo.setBounds(30,300,100,24);
btnS1.setBounds(510,30,100,24);
btnS2.setBounds(510,60,100,24);
btnS3.setBounds(510,90,100,24);
btnS4.setBounds(510,120,100,24);
btnS5.setBounds(510,150,100,24);
btnS6.setBounds(510,180,100,24);
btnS7.setBounds(510,210,100,24);
btnS8.setBounds(510,240,100,24);
btnS9.setBounds(510,270,100,24);

```
btnS10.setBounds(510,300,100,24);  
btnSc.setBounds(510,330,100,24);
```

```
//setLayout(new GridLayout(10,4,5,5));
```

```
setBackground(Color.pink);
```

```
add(lblNu);  
add(txtAa);  
add(lblMe);  
add(txtAb);  
add(lblNa);  
add(txtAc);  
add(btnIn);  
add(txtAd);  
add(lblCh);  
add(txtAe);  
add(btnGr1);  
add(txtAf);  
add(lblPh);  
add(txtAg);  
add(btnGr2);  
add(txtAh);  
add(lblCo);  
add(txtAi);  
add(btnGr3);  
add(txtAj);  
add(lblEn);  
add(txtAk);  
add(btnGr4);  
add(txtAl);  
add(lblGn);  
add(txtAm);  
add(btnRe1);  
add(txtAn);  
add(btnTo);  
add(txtAo);  
add(btnAv);  
add(txtAp);  
add(btnRe2);  
add(txtAq);  
add(btnSe);  
add(txtAr);  
add(btnMo);  
add(txtAs);  
add(lblQ1);  
add(lblQ2);  
add(lblQ3);  
add(lblQ4);  
add(btnS1);  
add(btnS2);  
add(btnS3);  
add(btnS4);  
add(btnS5);  
add(btnS6);  
add(btnS7);  
add(btnS8);  
add(btnS9);
```

```
add(btnS10);
add(btnSc);
add(txtQ1);
add(txtQ2);
add(txtQ3);
add(txtQ4);
```

```
btnIn.addActionListener(this);
btnGr1.addActionListener(this);
btnGr2.addActionListener(this);
btnGr3.addActionListener(this);
btnGr4.addActionListener(this);
btnRe1.addActionListener(this);
btnTo.addActionListener(this);
btnAv.addActionListener(this);
btnRe2.addActionListener(this);
btnSe.addActionListener(this);
btnMo.addActionListener(this);
btnS1.addActionListener(this);
btnS2.addActionListener(this);
btnS3.addActionListener(this);
btnS4.addActionListener(this);
btnS5.addActionListener(this);
btnS6.addActionListener(this);
btnS7.addActionListener(this);
btnS8.addActionListener(this);
btnS9.addActionListener(this);
btnS10.addActionListener(this);
btnSc.addActionListener(this);
```

```
}
```

```
/*public void paint(Graphics z)
```

```
{
z.setColor(Color.red);
z.fillOval(90,350,20,20);
z.setColor(Color.green);
z.fillOval(210,350,20,20);
z.setColor(Color.yellow);
z.fillOval(330,350,20,20);
z.setColor(Color.black);
z.fillOval(450,350,20,20);
}
*/
```

```
int Aa,Ab,Ac,Ad,Ae,Af,Ag,Ah,Ai,Aj,Ak,Al,Am,An,Ao,Ap,Aq,Ar,As;
```

```
public void actionPerformed(ActionEvent e)
{

    if(e.getSource()==btnIn)

    {
        Ac=Integer.parseInt(txtAc.getText());
    }
    if(Ac==1)
    {
```

```
txtAd.setText("Colombo");
}
if(Ac==2)
{
txtAd.setText("Gampaha");
}
if(Ac==3)
{
txtAd.setText("Kaluthara");
}
if(Ac==4)
{
txtAd.setText("Matale");
}
if(Ac==5)
{
txtAd.setText("Kandy");
}
if(Ac==6)
{
txtAd.setText("Nuwaraeliya");
}
if(Ac==7)
{
txtAd.setText("Galle");
}
if(Ac==8)
{
txtAd.setText("Matara");
}
if(Ac==9)
{
txtAd.setText("Hambantota");
}
if(Ac==10)
{
txtAd.setText("Jaffna");
}
if(Ac==11)
{
txtAd.setText("Killinochchi");
}
if(Ac==12)
{
txtAd.setText("Mannar");
}
if(Ac==13)
{
txtAd.setText("Mulathiv");
}
if(Ac==14)
{
txtAd.setText("Wawniya");
}
if(Ac==15)
{
txtAd.setText("Trincomalee");
}
if(Ac==16)
```

```
{
txtAd.setText("Madakalapuwa");
}
if(Ac==17)
{
txtAd.setText("Ampara");
}
if(Ac==18)
{
txtAd.setText("Puttalam");
}
if(Ac==19)
{
txtAd.setText("Kurunagala");
}
if(Ac==20)
{
txtAd.setText("Anuradhapura");
}
if(Ac==21)
{
txtAd.setText("Polonnaruwa");
}
if(Ac==22)
{
txtAd.setText("Badulla");
}
if(Ac==23)
{
txtAd.setText("Monaragala");
}
if(Ac==24)
{
txtAd.setText("Kegalle");
}
if(Ac==25)
{
txtAd.setText("Rathnapura");
}
else if(Ac>25)
{
txtAd.setText("Wrong code");
txtAd.setBackground(Color.pink);
}
}
```

```
if(e.getSource()==btnGr1)
```

```
{
    Ae=Integer.parseInt(txtAe.getText());
}
if(Ae>100)
{
txtAf.setText("Wrong");
txtAf.setBackground(Color.pink);
}
else if(Ae>75)
{
txtAf.setText("D");
}
```

```
txtAf.setBackground(Color.red);
}
else if(Ae>55)
{
txtAf.setText("C");
txtAf.setBackground(Color.green);
}
else if(Ae>35)
{
txtAf.setText("S");
txtAf.setBackground(Color.yellow);
}
else if(Ae<35)
{
txtAf.setText("F");
txtAf.setBackground(Color.black);
}
```

```
if(e.getSource()==btnGr2)
{
    Ag=Integer.parseInt(txtAg.getText());
}
if(Ag>100)
{
txtAh.setText("Wrong");
txtAh.setBackground(Color.pink);
}
else if(Ag>75)
{
txtAh.setText("D");
txtAh.setBackground(Color.red);
}
else if(Ag>55)
{
txtAh.setText("C");
txtAh.setBackground(Color.green);
}
else if(Ag>35)
{
txtAh.setText("S");
txtAh.setBackground(Color.yellow);
}
else if(Ag<35)
{
txtAh.setText("F");
txtAh.setBackground(Color.black);
}
```

```
if(e.getSource()==btnGr3)
{
    Ai=Integer.parseInt(txtAi.getText());
}
if(Ai>100)
{
txtAj.setText("Wrong");
txtAj.setBackground(Color.pink);
}
```



```
else if(Ai>75)
{
txtAj.setText("D");
txtAj.setBackground(Color.red);
}
else if(Ai>55)
{
txtAj.setText("C");
txtAj.setBackground(Color.green);
}
else if(Ai>35)
{
txtAj.setText("S");
txtAj.setBackground(Color.yellow);
}
else if(Ai<35)
{
txtAj.setText("F");
txtAj.setBackground(Color.black);
}
```

```
if(e.getSource()==btnGr4)
{
    Ak=Integer.parseInt(txtAk.getText());
}
if(Ak>100)
{
txtAl.setText("Wrong");
txtAl.setBackground(Color.pink);
}
else if(Ak>75)
{
txtAl.setText("D");
txtAl.setBackground(Color.red);
}
else if(Ak>55)
{
txtAl.setText("C");
txtAl.setBackground(Color.green);
}
else if(Ak>35)
{
txtAl.setText("S");
txtAl.setBackground(Color.yellow);
}
else if(Ak<35)
{
txtAl.setText("F");
txtAl.setBackground(Color.black);
}
```

```
if(e.getSource()==btnRe1)
{
```

```

    Am=Integer.parseInt(txtAm.getText());
}
    if(Am>100)
    {
    txtAn.setText("Wrong");
    txtAn.setBackground(Color.pink);
    }
    else if(Am>35)
    {
    txtAn.setText("Pass");
    txtAn.setBackground(Color.red);
    }
    else if(Am<35)
    {
    txtAn.setText("Fail");
    txtAn.setBackground(Color.black);
    }

```

```

if(e.getSource()==btnTo)
{
    Ae=Integer.parseInt(txtAe.getText());
    Ag=Integer.parseInt(txtAg.getText());
    Ai=Integer.parseInt(txtAi.getText());

    Ao=Ae+Ag+Ai;
    if(Ao>300)
    txtAo.setText("Wrong Marks");
    else if(Ao<300)
    txtAo.setText(String.valueOf(Ao));
    txtAo.setBackground(Color.pink);

}

```

```

if(e.getSource()==btnAv)
{
    Ao=Integer.parseInt(txtAo.getText());

    Ap=Ao/3;
    txtAp.setText(String.valueOf(Ap));
    txtAp.setBackground(Color.pink);

}

```

```

if(e.getSource()==btnRe2)
{

    Ap=Integer.parseInt(txtAp.getText());

}

    if(Ap>35)
    {
    txtAq.setText("Pass");
    txtAq.setBackground(Color.red);
    }
    else if(Ap<35)

```

```
{
txtAq.setText("Fall");
}
```

```
if(e.getSource()==btnSe)
```

```
{
    Am=Integer.parseInt(txtAm.getText());
    Ap=Integer.parseInt(txtAp.getText());
}
```

```
if((Am>35)&&(Ap>35))
```

```
{
    txtAr.setText("Yes");
    txtAr.setBackground(Color.red);
}
```

```
else if(Am<35)
```

```
{
    txtAr.setText("No");
}
```

```
else if(Ap<35)
```

```
{
    txtAr.setText("No");
}
```

```
}
```

```
if(e.getSource()==btnMo)
```

```
{
    Am=Integer.parseInt(txtAm.getText());
    Ap=Integer.parseInt(txtAp.getText());
}
```

```
if((Am>35)&&(Ap>35))
```

```
{
    txtAs.setBackground(Color.red);
    txtAs.setText("Result enough to Enter University");
}
```

```
else if((Am<35)&&(Ap>35))
```

```
{
    txtAs.setBackground(Color.pink);
    txtAs.setText("Result not enough because Gneral Test marks < 35");
}
```

```
else if((Am>35)&&(Ap<35))
```

```
{
    txtAs.setBackground(Color.pink);
    txtAs.setText("Result not enough although Gneral Test marks > 35");
}
```

```
else if((Am<35)&&(Ap<35))
```

```
{
    txtAs.setText("Result not enough to Enter Universuty");
}
```

```
if(e.getSource()==btnS1)
```

```
{
    txtAa.setText("");
    txtAa.setBackground(Color.white);
    txtAb.setText("");
    txtAb.setBackground(Color.white);
}
```

```
}

    if(e.getSource()==btnS2)
    {
        txtAc.setText("");
        txtAc.setBackground(Color.white);
        txtAd.setText("");
        txtAd.setBackground(Color.white);
    }

    if(e.getSource()==btnS3)
    {
        txtAe.setText("");
        txtAe.setBackground(Color.white);
        txtAf.setText("");
        txtAf.setBackground(Color.white);
    }

    if(e.getSource()==btnS4)
    {
        txtAg.setText("");
        txtAg.setBackground(Color.white);
        txtAh.setText("");
        txtAh.setBackground(Color.white);
    }

    if(e.getSource()==btnS5)
    {
        txtAi.setText("");
        txtAi.setBackground(Color.white);
        txtAj.setText("");
        txtAj.setBackground(Color.white);
    }

    if(e.getSource()==btnS6)
    {
        txtAk.setText("");
        txtAk.setBackground(Color.white);
        txtAl.setText("");
        txtAl.setBackground(Color.white);
    }

    if(e.getSource()==btnS7)
    {
        txtAm.setText("");
        txtAm.setBackground(Color.white);
        txtAn.setText("");
        txtAn.setBackground(Color.white);
    }

    if(e.getSource()==btnS8)
    {
```

```
txtAo.setText("");
txtAo.setBackground(Color.white);
txtAp.setText("");
txtAp.setBackground(Color.white);
```

```
}
```

```
    if(e.getSource()==btnS9)
```

```
{
txtAq.setText("");
txtAq.setBackground(Color.white);
txtAr.setText("");
txtAr.setBackground(Color.white);
txtAs.setText("");
txtAs.setBackground(Color.white);
}
```

```
    if(e.getSource()==btnS10)
```

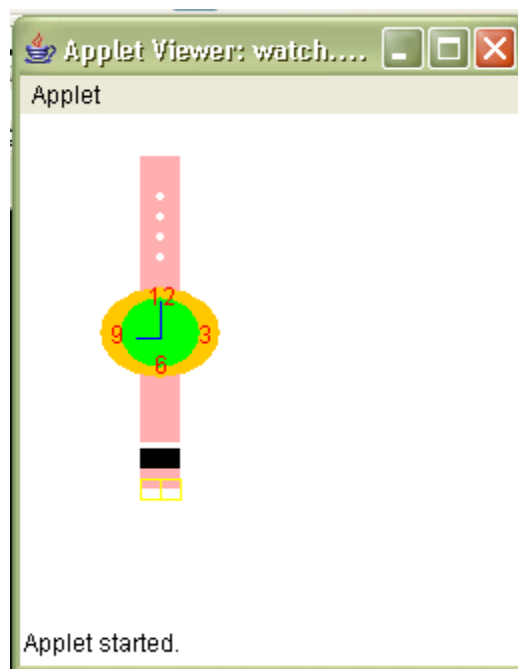
```
{
txtAa.setText("");
txtAa.setBackground(Color.white);
txtAb.setText("");
txtAb.setBackground(Color.white);
txtAc.setText("");
txtAc.setBackground(Color.white);
txtAd.setText("");
txtAd.setBackground(Color.white);
txtAe.setText("");
txtAe.setBackground(Color.white);
txtAf.setText("");
txtAf.setBackground(Color.white);
txtAg.setText("");
txtAg.setBackground(Color.white);
txtAh.setText("");
txtAh.setBackground(Color.white);
txtAi.setText("");
txtAi.setBackground(Color.white);
txtAj.setText("");
txtAj.setBackground(Color.white);
txtAk.setText("");
txtAk.setBackground(Color.white);
txtAl.setText("");
txtAl.setBackground(Color.white);
txtAm.setText("");
txtAm.setBackground(Color.white);
txtAn.setText("");
txtAn.setBackground(Color.white);
txtAo.setText("");
txtAo.setBackground(Color.white);
txtAp.setText("");
txtAp.setBackground(Color.white);
txtAq.setText("");
txtAq.setBackground(Color.white);
txtAr.setText("");
txtAr.setBackground(Color.white);
txtAs.setText("");
txtAs.setBackground(Color.white);
}
```

```

        if(e.getSource()==btnSc)
        {
            txtQ1.setBackground(Color.red);
        }
        {
            txtQ2.setBackground(Color.green);
        }
        {
            txtQ3.setBackground(Color.yellow);
        }
        {
            txtQ4.setBackground(Color.black);
        }
    }
}
//<applet code="Doenets.class" width=650 height=400></applet>

```

Draw watch using paint applets



```

import java.applet.*;
import java.awt.*;

public class watch extends Applet
{
    public void paint(Graphics abc)
    {
        // up belt
        //abc.drawRect(60,20,20,10);
    }
}

```

```
abc.setColor(Color.pink);
abc.fillRect(60,20,20,68);
abc.setColor(Color.white);
abc.fillOval(68,38,4,4);
abc.fillOval(68,48,4,4);
abc.fillOval(68,58,4,4);
abc.fillOval(68,68,4,4);

// down belt
abc.setColor(Color.pink);
abc.fillRect(60,127,20,35);
abc.setColor(Color.black);
abc.fillRect(60,165,20,10);
abc.setColor(Color.pink);
abc.fillRect(60,175,20,10);

abc.setColor(Color.yellow);
abc.drawRect(60,180,20,10);
abc.drawLine(70,180,70,190);

// middle

abc.setColor(Color.orange);
abc.fillOval(40,85,60,45);
abc.setColor(Color.green);
abc.fillOval(50,90,40,35);

abc.setColor(Color.blue);

abc.drawLine(70,92,70,110);
abc.drawLine(58,110,70,110);

abc.setColor(Color.red);
abc.drawString("12",64,94);
abc.drawString("6",67,128);
abc.drawString("9",45,113);
abc.drawString("3",89,113);
}
}

//<applet code="watch.class" width=250 Height=250></applet>
```