Journal Questions Syntaxes

Q1

```
import java.awt.*;
import java.applet.Applet;

public class Journalq1 extends Applet
{
 public void paint(Graphics g)
 {
        g.setColor(Color.magenta);
        Font f1 = new Font("SANS_SERIF",Font.BOLD+Font.ITALIC,50);
        g.setFont(f1);
        g.drawString("University Of Mumbai",150,40);
        g.setColor(Color.red);
        Font f2 = new Font("MS_OUTLOOK_SERIF",Font.BOLD,40);
        g.setFont(f2);
        g.drawString("TYBSc(Computer Science)",150,200);
        g.setColor(Color.pink);
        Font f3 = new Font("GARAMOND",Font.BOLD+Font.ITALIC,40);
        g.setFont(f3);
        g.drawString("Computer Programing",150,250);
 }
}
/*
<applet code = "Journalq1.class" width="400" height="400">
</applet>
*/
```

Q2

```
import java.awt.*;
import java.applet.Applet;

public class Journalq2 extends Applet
{
 public void paint(Graphics g)
 {
        String str1,str2;
        str1=getParameter("user");
        str2=getParameter("password");
        g.drawString("USER NAME = "+str1,10,20);
        g.drawString("PASSWORD = "+str2,10,70);
 }
```

```
}
/*
<applet code="Journalq2.class" width="400" height="400">
<param name="user" value="R.J.COLLEGE">
<param name="password" value="STUDENT">
</applet>
*/


------------------------------
Q3
import java.awt.*;
import java.applet.Applet;

public class Journalq3 extends Applet
{
 Label l1,l2,l3;
 Checkbox c1,c2,c3;
 TextField t1,t2;
 public void init()
 {
        l1=new Label("Name");
        l2=new Label("Age");
        l3=new Label("Languages");
        c1=new Checkbox("English",true);
        c2=new Checkbox("Hindi");
        c3=new Checkbox("Marathi");
        t1=new TextField(20);
        t2=new TextField(10);
        add(l1); add(t1);
        add(l2); add(t2);
        add(l3);
        add(c1);
        add(c2);
        add(c3);
 }
}
/*
<applet code="Journalq3.class" width="400" height="400">
</applet>
*/


-------------------------------------------
Q4
```

```java
import java.awt.*;
import java.applet.Applet;

public class Journalq4 extends Applet
{
 Button b[] = new Button[10];
 public void init()
 {
        int i;
        for(i=0;i<10;i++)
        {
                b[i] = new Button(Integer.toString(i));
                add(b[i]);
        }
 }
}
/*
<applet code = "Journalq4.class" width="400" height="400">
</applet>
*/
```

Q5
```java
import java.awt.*;
import java.applet.Applet;

public class Journalq5 extends Applet
{
 Button b[] = new Button[10];
 public void init()
 {
        GridLayout gd1 = new GridLayout(4,3,20,20);
        setLayout(gd1);
        int i;
        for(i=0;i<10;i++)
        {
                b[i] = new Button(Integer.toString(i));
                add(b[i]);
        }
 }
}
/*
<applet code = "Journalq5.class" width="400" height="400">
```

```
</applet>
*/
```

Q6
```java
import java.awt.*;
import java.awt.event.*;
import java.applet.Applet;

public class Journalq6 extends Applet implements MouseListener
{
 public void mouseEntered(MouseEvent m){}
 public void mouseExited(MouseEvent m){}
 public void mousePressed(MouseEvent m){}
 public void mouseReleased(MouseEvent m){}
 public void mouseClicked(MouseEvent m)
 {
        Graphics g = getGraphics();
        g.setColor(Color.blue);
        g.fillOval(m.getX(),m.getY(),30,30);
 }
 public void init()
 {
        addMouseListener(this);
 }
}
/*
<applet code="Journalq6.class" width="400" height="400">
</applet>
*/
```

Q7
og>>>>
```java
import java.awt.*;
import java.awt.event.*;
import java.applet.Applet;

public class Journalq7 extends Applet implements ActionListener
{
 Label l1;
 TextField t1,t2;
 Button b1,b2;
```

```java
public void init()
{
        l1=new Label("Enter the no.");
        t1=new TextField(10);
        t2=new TextField(10);
        b1=new Button("Square");
        b2=new Button("Cube");
        t2.setEditable(false);
        add(l1); add(t1);
        add(t2);
        add(b1); add(b2);
        b1.addActionListener(this);
        b2.addActionListener(this);
}
public void actionPerformed(ActionEvent e)
{
        int x,y,z;
        x=Integer.parseInt(t1.getText());
        y=x*x;
        z=x*x*x;
        if(e.getSource()==b1)
        t2.setText("Square is "+y);
        else
        t2.setText("Cube is "+z);
}
}
/*
<applet code="Journalq7.class" width="400" height="400">
</applet>
*/
            -----------------------------------------
improvised>>>>>>>>>
import java.awt.*;
import java.awt.event.*;
import java.applet.Applet;

public class Journalq7 extends Applet implements ActionListener
{
 Label l1,l2,l3;
 TextField t1,t2,t3;
 Button b1;
 GridLayout g = new GridLayout(4,2,20,20);
 public void init()
```

```java
    {
        l1=new Label("Enter the no.");
        l2=new Label("Square");
        l3=new Label("Cube");
        t1=new TextField(10);
        t2=new TextField(10);
        t3=new TextField(10);
        b1=new Button("CLICK");
        t2.setEditable(false);
        t3.setEditable(false);
        setLayout(g);
        add(l1); add(t1);
        add(l2); add(t2);
        add(l3); add(t3);
        add(b1);
        b1.addActionListener(this);
    }
    public void actionPerformed(ActionEvent e)
    {
        int x,y,z;
        x=Integer.parseInt(t1.getText());
        y=x*x;
        z=x*x*x;
        t2.setText(""+y);
        t3.setText(""+z);
    }
}
/*
<applet code="Journalq7.class" width="400" height="400">
</applet>
*/


-----------------------------------------------
Q8
import java.awt.*;
import java.awt.event.*;
import java.applet.Applet;

public class Journalq8 extends Applet implements ActionListener
{
 Label l1,l2,l3;
 TextField t1,t2,t3,t4;
 Button b1;
```

```java
GridLayout g = new GridLayout(4,2,20,20);
public void init()
{
        l1=new Label("Principle Amount");
        l2=new Label("ROI");
        l3=new Label("Duration");
        t1=new TextField(10);
        t2=new TextField(10);
        t3=new TextField(10);
        t4=new TextField(10);
        b1=new Button("CLICK");
        t4.setEditable(false);
        setLayout(g);
        add(l1); add(t1);
        add(l2); add(t2);
        add(l3); add(t3);
        add(b1); add(t4);
        b1.addActionListener(this);
}
public void actionPerformed(ActionEvent e)
{
        int p,r,n;
        float si;
        p=Integer.parseInt(t1.getText());
        r=Integer.parseInt(t2.getText());
        n=Integer.parseInt(t3.getText());
        si=(p*n*r)/100.0f;
        t4.setText("Simple Interest = "+si);
}
}
/*
<applet code="Journalq8.class" width="400" height="400">
</applet>
*/


-----------------------------------------------------
Q9
import java.awt.*;
import java.awt.event.*;
import java.applet.Applet;

public class Journalq9 extends Applet implements ActionListener
{
```

```java
Button b1,b2,b3,b4;
TextField t1;
BorderLayout l1 = new BorderLayout(20,20);
public void init()
{
        b1=new Button("North");
        b2=new Button("South");
        b3=new Button("East");
        b4=new Button("West");
        t1=new TextField(30);
        setLayout(l1);
        add(b1, BorderLayout.NORTH);
        add(b2, BorderLayout.SOUTH);
        add(b3, BorderLayout.EAST);
        add(b4, BorderLayout.WEST);
        add(t1, BorderLayout.CENTER);
        b1.addActionListener(this);
        b2.addActionListener(this);
        b3.addActionListener(this);
        b4.addActionListener(this);
        Font f1 = new Font("ARIAL",Font.BOLD,80);
        t1.setFont(f1);
        t1.setEditable(false);
}
public void actionPerformed(ActionEvent e)
{
        if(e.getSource()==b1)
        {
                t1.setForeground(Color.red);
                t1.setText("Region Selected - North");
        }
        else if(e.getSource()==b3)
        {
                t1.setForeground(Color.green);
                t1.setText("Region Selected - East");
        }
        else if(e.getSource()==b2)
        {
                t1.setForeground(Color.blue);
                t1.setText("Region Selected - South");
        }
        else
        {
```

```java
            t1.setForeground(Color.pink);
            t1.setText("Region Selected - West");
        }
    }
}
/*
<applet code="Journalq9.class" width="400" height="400">
</applet>
*/
```

Q10

```java
import java.awt.*;
import java.awt.event.*;
import java.applet.Applet;

public class Journalq10 extends Applet implements ItemListener
{
 Label l1;
 TextArea t1;
 CheckboxGroup cg;
 Checkbox c1,c2,c3;
 public void init()
 {
        l1=new Label("Enter Your Feedback");
        t1=new TextArea(4,20);
        cg=new CheckboxGroup();
        c1=new Checkbox("Red",cg,false);
        c2=new Checkbox("Green",cg,false);
        c3=new Checkbox("Blue",cg,false);
        add(l1);
        add(t1);
        add(c1); add(c2); add(c3);
        c1.addItemListener(this);
        c2.addItemListener(this);
        c3.addItemListener(this);
 }
 public void itemStateChanged(ItemEvent e)
 {
        if(e.getSource()==c1)
        t1.setForeground(Color.red);
        else if(e.getSource()==c2)
        t1.setForeground(Color.green);
```

```java
        else
        t1.setForeground(Color.blue);
 }
}
/*
<applet code="Journalq10.class" width="400" height="400">
</applet>
*/
```