



KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY (KIIT)

Deemed to be University U/S 3 of UGC Act, 1956

WT ASSIGNMENT-3

- Name : HITU RAJ
- Roll no. : 2005025
- Branch : CSE

2005025_Hitu raj

```
// 1. Design an applet to display the user information such as Roll No., Name,  
// Branch and Section in separate lines.
```

```
import java.applet.*;  
import java.awt.*;  
  
public class q1_student extends Applet  
{  
    public void paint (Graphics g)  
    {  
        String name = getParameter("name");  
        String rollno = getParameter("rollno");  
        String branch = getParameter("branch");  
        String section = getParameter("section");  
        g.setColor(Color.GREEN);  
        Font f=new Font("TIMES ROMAN", Font.BOLD | Font.ITALIC,34);  
        g.setFont(f);  
        g.drawString("Name : "+name,70,50);
```

```

        g.drawString("Roll no : "+rollno,70,100);
        g.drawString("Branch : "+branch,70,150);
        g.drawString("section: "+section,70,200);
    }
}

/*<applet code="q1_student" height=500 width=500>

<param name="name" value="HITU RAJ"> </param>

<param name="rollno" value="2005025"> </param>

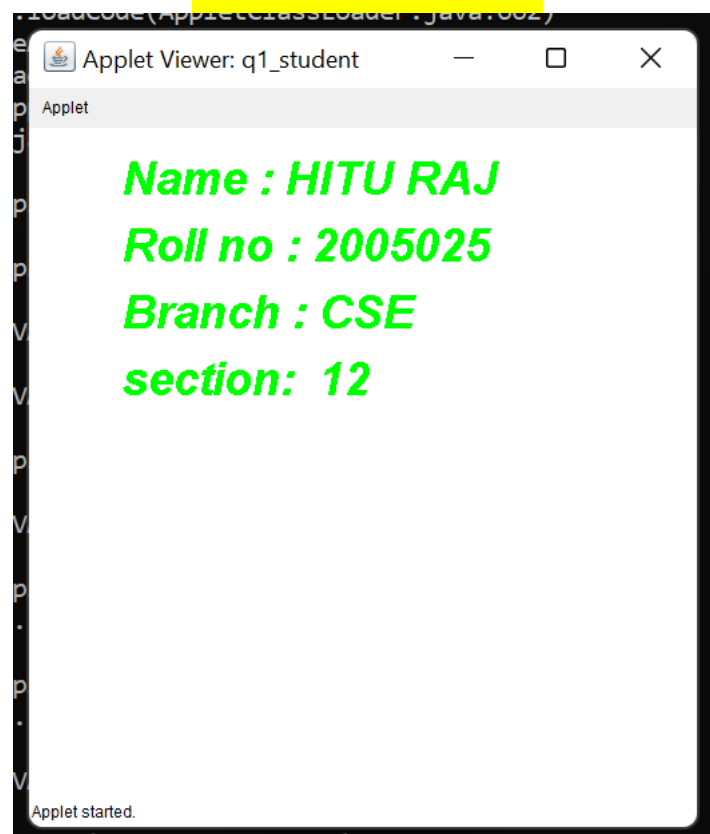
<param name="branch" value="CSE"> </param>

<param name="section" value=" 12"> </param>

</applet>*/

```

OUTPUT-1



```
// 2. Design an applet to display a colored smiley.
```

```

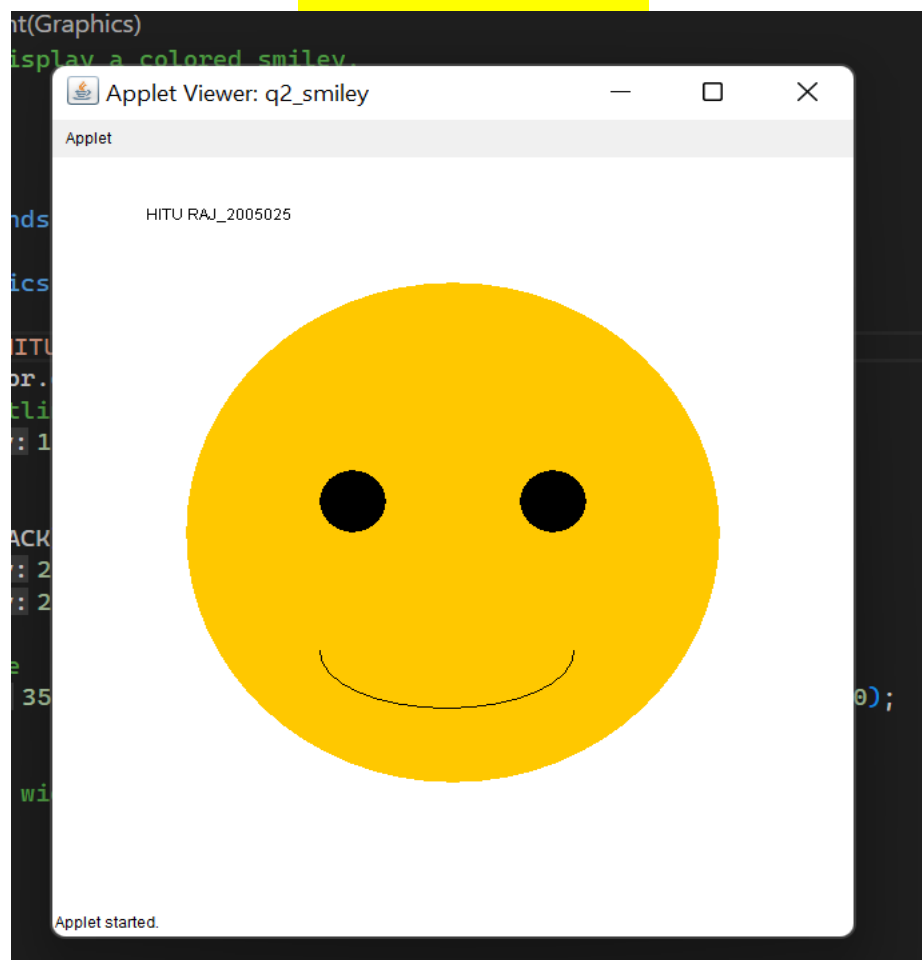
import java.applet.*;
import java.awt.*;
public class q2_smiley extends Applet
{
    public void paint(Graphics g)
    {
        g.drawString("HITU RAJ_2005025 ",70,50);
        g.setColor(Color.orange);
        // Oval for face outline
        g.fillOval(100, 100, 400, 400);

        // Ovals for eyes
        g.setColor(Color.BLACK);
        g.fillOval(200, 250, 50, 50);
        g.fillOval(350, 250, 50, 50);

        // Arc for the smile
        g.drawArc(200, 350, 190, 90, 180, 180);
    }
}
/*<applet code ="q2_smiley" width=600 height=600>
</applet>*/

```

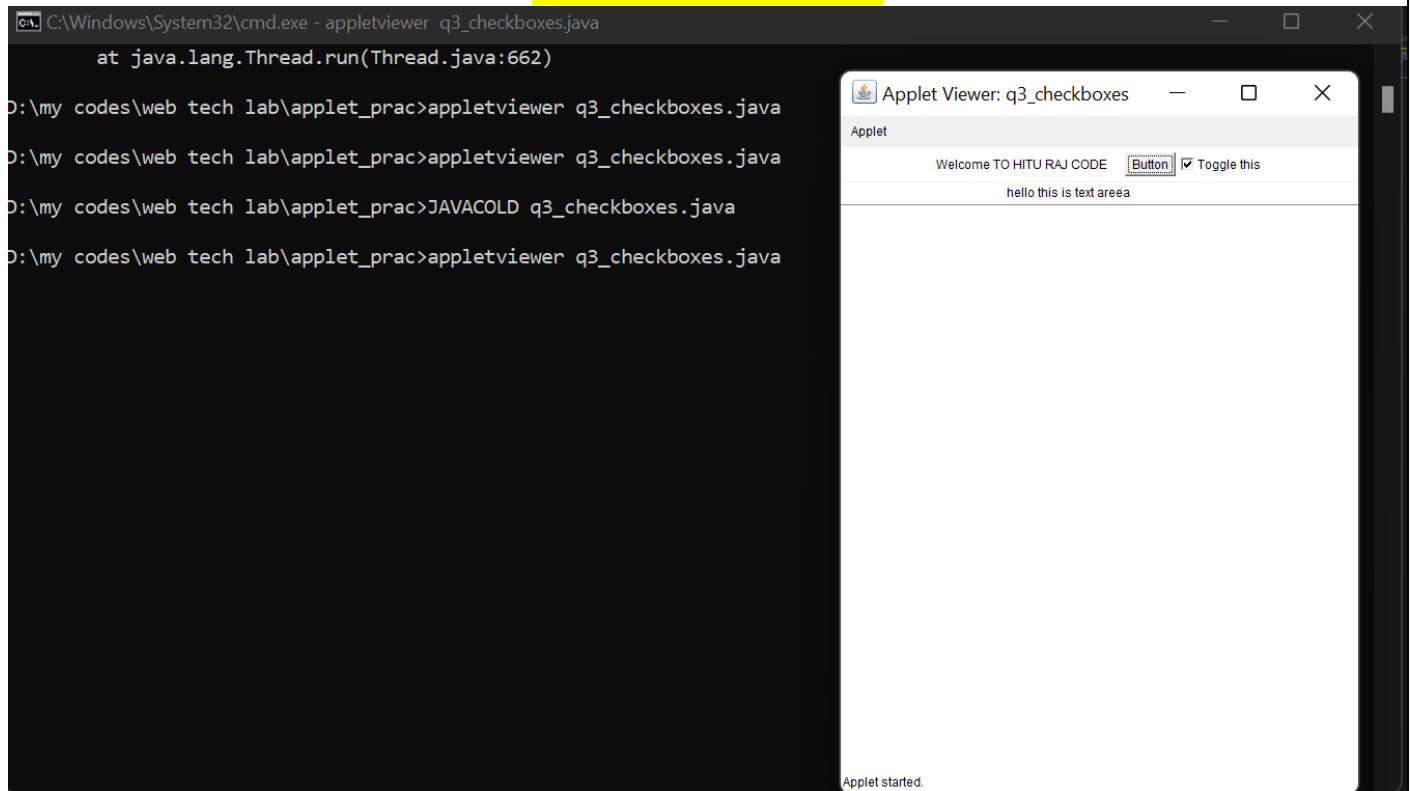
OUTPUT-2



```
// 3. Design an applet with following components on it - Label, Textbox, Text area,  
// Checkbox, Radio button and Button.
```

```
import java.applet.*;  
import java.awt.*;  
public class q3_checkboxes extends Applet  
{  
    Label label = new Label ("Welcome TO HITU RAJ CODE");  
    Button button = new Button ("Button");  
    Checkbox toggle = new Checkbox ("Toggle this");  
    TextField text = new TextField ("Sample textarea", 200);  
    public void init ()  
    {  
        add (label);  
        add (button);  
        add (toggle);  
        add (text);  
    }  
}  
/*<applet code ="q3_checkboxes" width=300 height=600>  
</applet>*/
```

OUTPUT-3



```

// 4. Write a program in Java to copy the content of a given file to another user
// entered file using character stream.

import java.io.*;
import java.util.*;

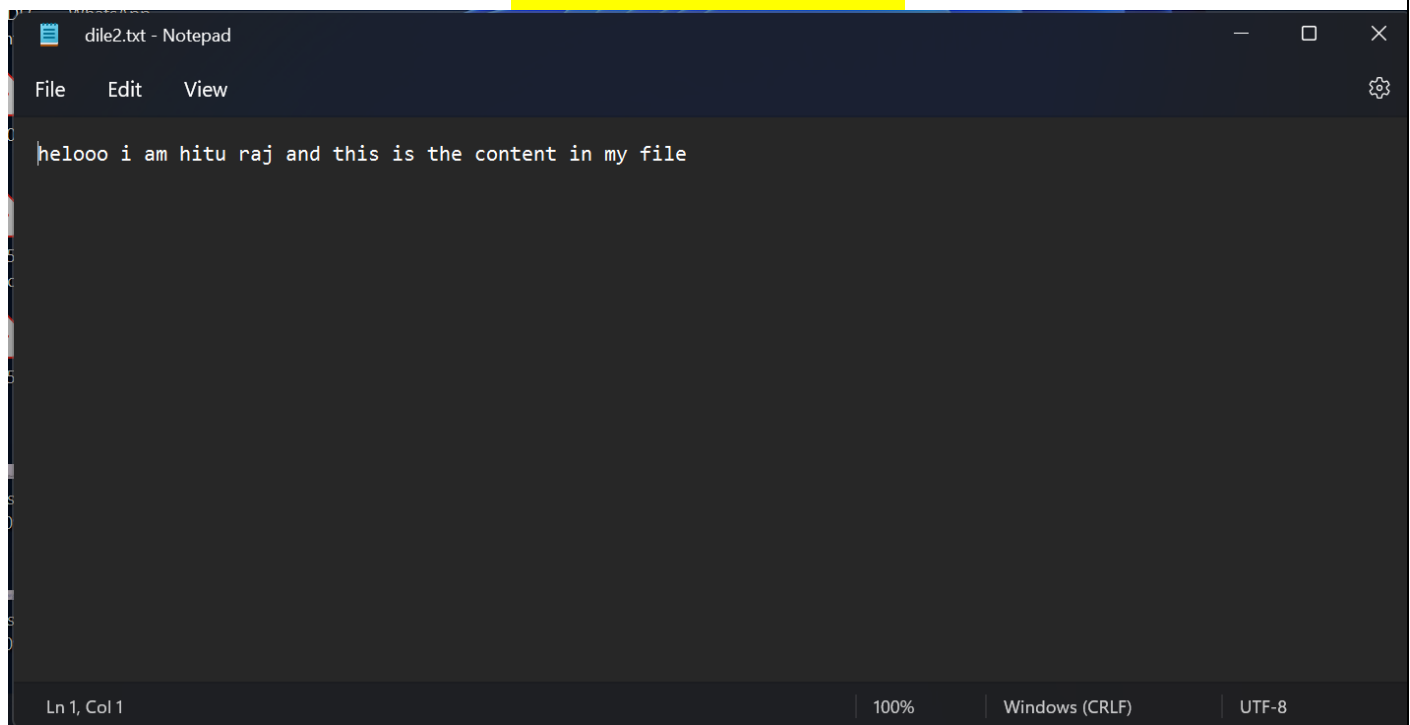
public class q4_Filecopy
{
    public static void copyData(File file1, File file2) throws Exception
    {
        FileInputStream ip = new FileInputStream(file1);
        FileOutputStream out = new FileOutputStream(file2);
        try
        {
            int i;
            while ((i = ip.read()) != -1)
            {
                out.write(i);
            }
        }
        catch(Exception e)
        {
            System.out.println("Error Found: "+e.getMessage());
        }
        finally
        {
            if (ip != null)
            {
                ip.close();
            }
            if (out != null) {
                out.close();
            }
        }
        System.out.println("File Copied");
    }
    // main() method start
    public static void main(String[] args) throws Exception
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the name of the file from where the data would be
copied :");
        String file1 = sc.nextLine();
        // create instance of the File class for the source file
        File a = new File("C:\\Users\\KIIT\\Desktop\\"+file1);

        // get the file in which the data would be written.
        System.out.println("Enter the name of the file from where the data would be
written :");
        String file2 = sc.nextLine();
        // create instance of the File class for the destination file

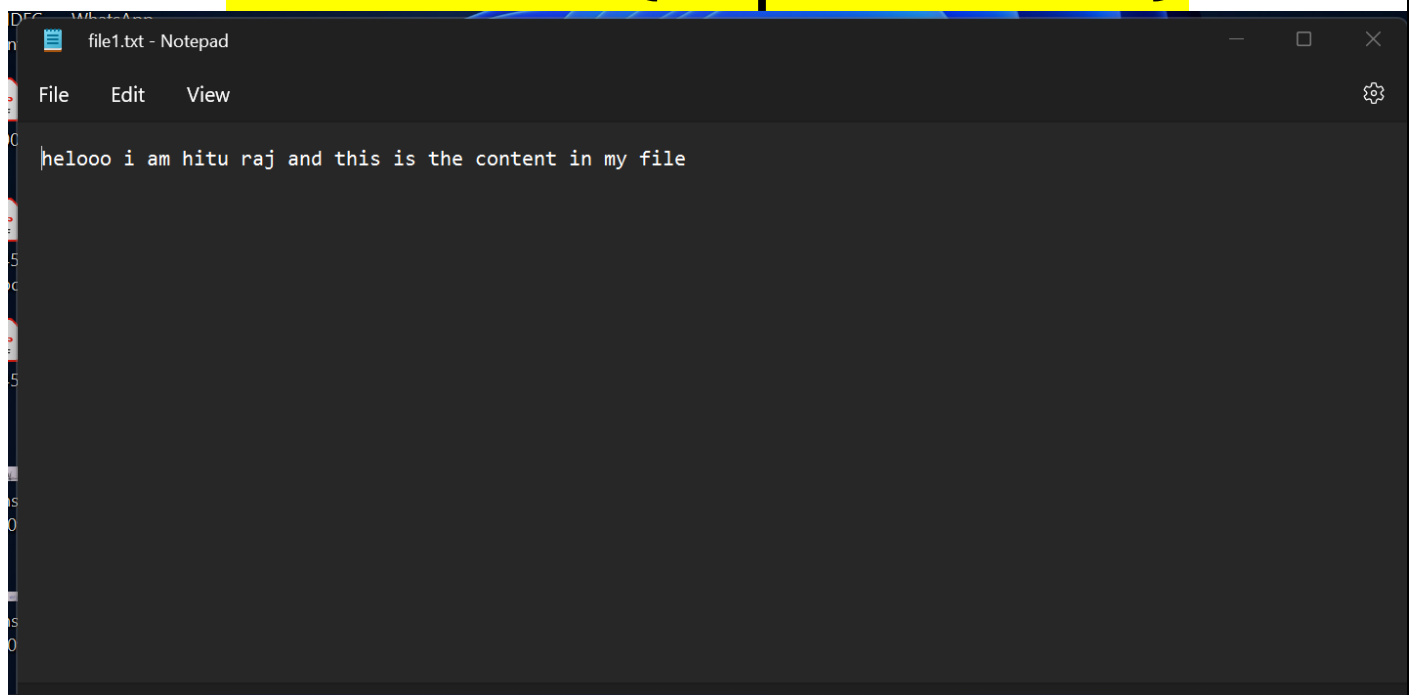
```

```
File b = new File("C:\\Users\\KIIT\\Desktop\\"+file2);  
sc.close();  
// method called to copy the data from file a to file b  
copyData(a, b);  
}  
}
```

OUTPUT-4 File1.txt



Dile2.txt(copied file)



```
// 5. Design an applet with one label, one text field and one button so that on
// clicking the button it will check and display in the applet whether the value
// entered
// in the text field is even or odd or blank.
```

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

public class q5_oddeven extends Applet implements ActionListener
{
    TextField input;
    Button check;
    int flag=0;
    public void init()
    {
        check=new Button("check");
        Label inp=new Label("Enter any number :",Label.RIGHT);

        input=new TextField(5);

        input.setBackground(Color.yellow);
        add(inp);
        add(input);
        add(check);
        input.addActionListener(this);
        check.addActionListener(this);
    }
    public void actionPerformed(ActionEvent ae)
    {
        String str=ae.getActionCommand();
        if(str.equals("check"))
        {
            int n=Integer.parseInt(input.getText());

            flag=0;

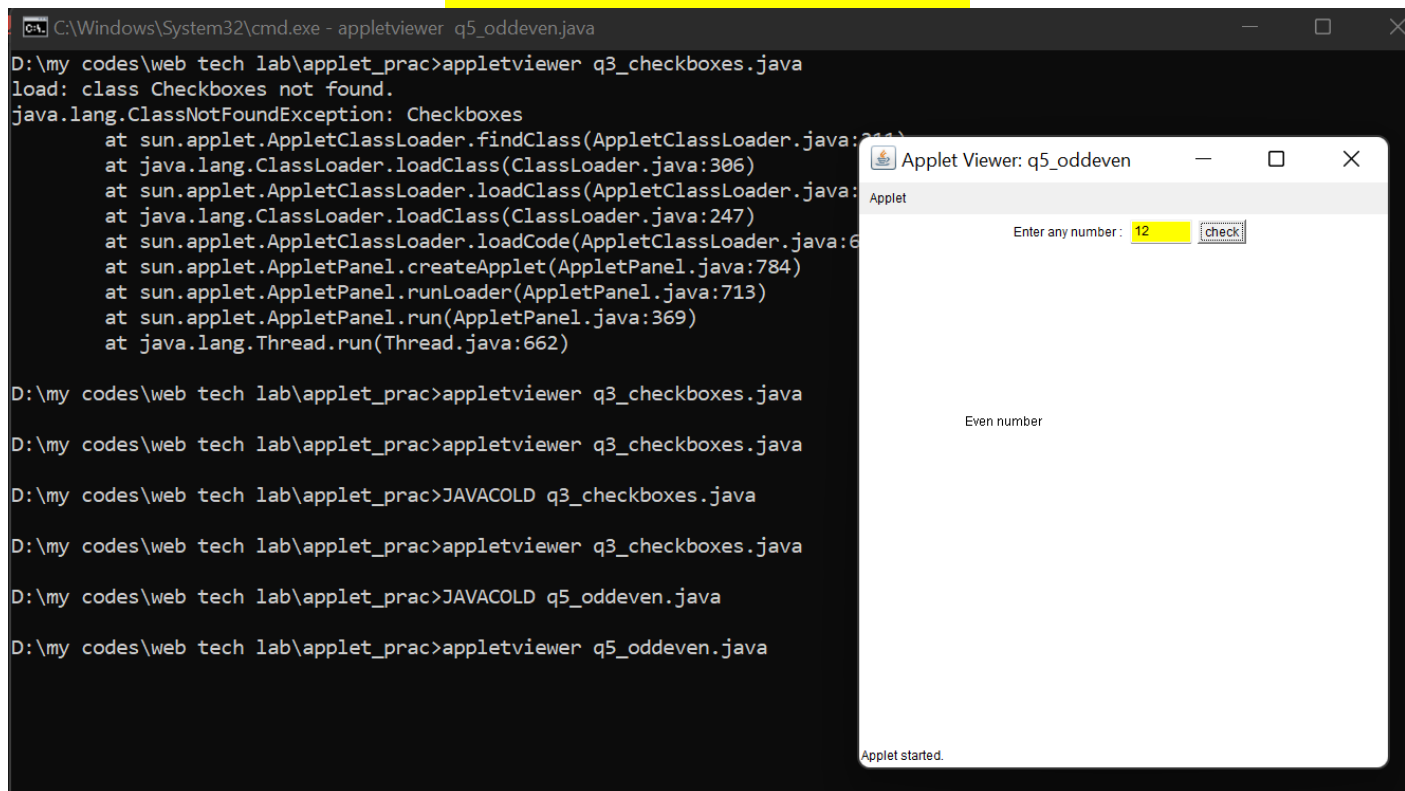
            if(n%2==0)
            {
                flag=1;
            }

        }
        repaint();
    }
    public void paint (Graphics g)
    {
        if(flag == 1)
            g.drawString("Even number",100,200);
        else if(flag==0)
            g.drawString("odd number",100,200);
    }
}
```

```
}  
}  
  
/*<applet code="q5_oddeven" width=500 height=500></applet>*/
```

OUTPUT-5

For even no.



The screenshot shows a Windows command prompt window titled "C:\Windows\System32\cmd.exe - appletviewer q5_oddeven.java". The command prompt displays the following output:

```
D:\my codes\web tech lab\applet_prac>appletviewer q3_checkboxes.java  
load: class Checkboxes not found.  
java.lang.ClassNotFoundException: Checkboxes  
    at sun.applet.AppletClassLoader.findClass(AppletClassLoader.java:254)  
    at java.lang.ClassLoader.loadClass(ClassLoader.java:306)  
    at sun.applet.AppletClassLoader.loadClass(AppletClassLoader.java:117)  
    at java.lang.ClassLoader.loadClass(ClassLoader.java:247)  
    at sun.applet.AppletClassLoader.loadCode(AppletClassLoader.java:66)  
    at sun.applet.AppletPanel.createApplet(AppletPanel.java:784)  
    at sun.applet.AppletPanel.runLoader(AppletPanel.java:713)  
    at sun.applet.AppletPanel.run(AppletPanel.java:369)  
    at java.lang.Thread.run(Thread.java:662)  
  
D:\my codes\web tech lab\applet_prac>appletviewer q3_checkboxes.java  
D:\my codes\web tech lab\applet_prac>appletviewer q3_checkboxes.java  
D:\my codes\web tech lab\applet_prac>JAVACOLD q3_checkboxes.java  
D:\my codes\web tech lab\applet_prac>appletviewer q3_checkboxes.java  
D:\my codes\web tech lab\applet_prac>JAVACOLD q5_oddeven.java  
D:\my codes\web tech lab\applet_prac>appletviewer q5_oddeven.java
```

Overlaid on the command prompt is a window titled "Applet Viewer: q5_oddeven". The window contains a text input field labeled "Enter any number:" with the value "12" entered, and a "check" button. Below the input field, the text "Even number" is displayed. At the bottom of the window, it says "Applet started."

For even no.
For odd no.

```
C:\Windows\System32\cmd.exe - appletviewer q5_oddeven.java
D:\my codes\web tech lab\applet_prac>appletviewer q3_checkboxes.java
load: class Checkboxes not found.
java.lang.ClassNotFoundException: Checkboxes
    at sun.applet.AppletClassLoader.findClass(AppletClassLoader.java:244)
    at java.lang.ClassLoader.loadClass(ClassLoader.java:306)
    at sun.applet.AppletClassLoader.loadClass(AppletClassLoader.java:247)
    at java.lang.ClassLoader.loadClass(ClassLoader.java:247)
    at sun.applet.AppletClassLoader.loadCode(AppletClassLoader.java:611)
    at sun.applet.AppletPanel.createApplet(AppletPanel.java:784)
    at sun.applet.AppletPanel.runLoader(AppletPanel.java:713)
    at sun.applet.AppletPanel.run(AppletPanel.java:369)
    at java.lang.Thread.run(Thread.java:662)

D:\my codes\web tech lab\applet_prac>appletviewer q3_checkboxes.java
D:\my codes\web tech lab\applet_prac>appletviewer q3_checkboxes.java
D:\my codes\web tech lab\applet_prac>JAVACOLD q3_checkboxes.java
D:\my codes\web tech lab\applet_prac>appletviewer q3_checkboxes.java
D:\my codes\web tech lab\applet_prac>JAVACOLD q5_oddeven.java
D:\my codes\web tech lab\applet_prac>appletviewer q5_oddeven.java
```

