

OOPS LAB

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20MCA201

S2MCA

TKM20MCA-2001

git link:https://github.com/TKM-MCA-2020-OOPS-LAB/20MCA201-ABHILASH_JOHN-OOPS-LAB/tree/main/External

PROGRAM:

test1.java

```
import java.applet.*;
import java.awt.*;
import java.util.*;
import java.io.*;
public class test1 {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        Stack<Integer> arr = new Stack<>();
        System.out.println("Enter the Count of numbers");
        int n = sc.nextInt();
        int x;
        System.out.println("Enter the numbers");
        for(int i=0;i<n;i++){
            x = sc.nextInt();
            arr.add(x);
        }
        System.out.println("Ok");
        try{
            FileWriter f = new
FileWriter("C:\\Users\\Admin\\Desktop\\TEst\\all.txt");
            for(int i=0;i<n;i++){
                f.write(Integer.toString(arr.pop()));
                f.write("\n");
            }
            f.close();
        }

        catch(Exception e){
            System.out.println(e);
        }
        System.out.println("Enter Any number to create separate files
containing even and odd numbers");
        int y = sc.nextInt();
        try{
            FileReader fr = new
FileReader("C:\\Users\\Admin\\Desktop\\TEst\\all.txt");
            FileWriter fo = new
FileWriter("C:\\Users\\Admin\\Desktop\\TEst\\odd.txt");
            FileWriter fe = new
FileWriter("C:\\Users\\Admin\\Desktop\\TEst\\even.txt");
            int ch;
            while((ch=fr.read())!=-1){
                if(ch%2==0){
                    fe.write((char)ch );
                }
                else{
                    fo.write((char)ch );
                }
            }
        }
```

```

        }
        fo.close();
        fe.close();
        fr.close();
    }

    catch (Exception e) {
        System.out.print(e);
    }

}

}

```

test2.java

```

import java.applet.*;
import java.awt.*;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.awt.event.ItemEvent;
import java.awt.event.ItemListener;
import java.io.*;
public class test2 extends Applet implements ActionListener{
    Button red,yel,gre;
    Choice ch;
    int p;
    public void init(){
    }
    public void paint(Graphics g){
        red = new Button("R");
        yel = new Button("Y");
        gre = new Button("G");

        setLayout(null);
        g.drawRoundRect(600, 200, 200, 400, 10, 10);
        g.setColor(new Color(204,63,63));
        g.fillOval(670, 300, 50, 50);
        g.setColor(new Color(255,234,4));
        g.fillOval(670, 400, 50, 50);
        g.setColor(new Color(59,255,4));
        g.fillOval(670, 500, 50, 50);
        red.setBounds(680, 315, 10, 10);
        add(red);
        yel.setBounds(680, 415, 10, 10);
        add(yel);
        gre.setBounds(680, 515, 10, 10);
        add(gre);
        red.addActionListener(this);
        yel.addActionListener(this);
        gre.addActionListener(this);
        p=3;
    }
    @Override
    public void actionPerformed(ActionEvent red) {
        try{
            if(p==1){
                FileReader fr = new
FileReader("C:\\Users\\Admin\\Desktop\\TEst\\all.txt");
                int ch = 0;
                while((ch = fr.read())!=-1){

```

```

        System.out.println((char)ch);
    }
}
else if (p==2){
    FileReader fr = new
FileReader("C:\\Users\\Admin\\Desktop\\Test\\even.txt");
    int ch;
    while((ch = fr.read())!=-1){
        System.out.println((char)ch);
    }
}
else if (p==3){
    FileReader fr = new
FileReader("C:\\Users\\Admin\\Desktop\\Test\\odd.txt");
    int ch;
    while((ch = fr.read())!=-1){
        System.out.println((char)ch);
    }
}
}
catch(Exception e){
    System.out.println(e);
}
}
}
}

```

OUTPUT:





