

Program Code

numbers.java

```
package exam;

import java.io.FileWriter;
import java.io.IOException;
import java.util.ArrayList;
import java.util.Scanner;

public class numbers {

    public static void main(String[] args) {

        FileWriter fw,fx,fy;

        ArrayList<Integer> all=new ArrayList<>();

        int n;

        Scanner sc=new Scanner(System.in);

        System.out.println("How many Numbers");

        n=sc.nextInt();

        System.out.println("Enter Numbers");

        for(int i=0;i<n;i++){

            all.add(sc.nextInt());

            {

                try {

                    fy = new

FileWriter("allnumbers.txt", true);

                    fy.write(all.get(i)+"+"\n");

                    fy.close();

                } catch (IOException e) {

                    e.printStackTrace();

                }

            }

        }

    }

}
```

```

        } catch (IOException e) {

            // TODO Auto-generated catch block
            e.printStackTrace();

        }

    }

}

for(int i=0;i<n;i++){

    if((all.get(i)%2)==0){

        try {

            fw = new
FileWriter("even.txt", true);

            fw.write(all.get(i)+" "+"\\n");

            fw.close();

        } catch (IOException e) {

            // TODO Auto-generated catch block
            e.printStackTrace();

        }

    }

    else{

        try {

            fx = new
FileWriter("odd.txt", true);

            fx.write(all.get(i)+" "+"\\n");

            fx.append("\\n");

            fx.close();

        } catch (IOException e) {

```

```
// TODO Auto-generated catch block
```

```
e.printStackTrace();
```

```
}
```

```
}
```

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}
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}
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}
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q1radio.java

```
package exam;
```

```
import java.applet.Applet;
```

```
import java.awt.Color;
```

```
import java.awt.event.ItemEvent;
```

```
import java.awt.event.ItemListener;
```

```
import java.io.BufferedReader;
```

```
import java.io.FileNotFoundException;
```

```
import java.io.FileReader;
```

```
import java.io.IOException;
```

```
import javax.swing.JRadioButton;

public class qlradio extends Applet implements ItemListener {

    JRadioButton j1,j2,j3;

    FileReader fr1,fr2,fr3;

    BufferedReader bf1,bf2,bf3;

    String str1,str2,str3;

    public void init(){

        setLayout(null);

        setBackground(Color.BLUE);

        j1=new JRadioButton();

        j1.setBounds(30, 80, 20,30);

        j1.setBackground(Color.green);

        j1.addItemListener(this);

        add(j1);

        j2=new JRadioButton();

        j2.setBounds(80, 80, 20,30);

        j2.setBackground(Color.yellow);

        j2.addItemListener(this);

        add(j2);

        j3=new JRadioButton();

        j3.setBounds(130, 80, 20,30);

        j3.setBackground(Color.red);

        j3.addItemListener(this);

        add(j3);
```

```

}

@Override

public void itemStateChanged(ItemEvent arg0) {

    if(arg0.getSource()==j1){

        try {

            System.out.println("The Even Numbers in the
file are");

            fr1=new FileReader("E:/MCA2/exam/even.txt");
            bf1=new BufferedReader(fr1);

            try {

                while((str1=bf1.readLine())!=null){

                    System.out.println(str1);

                }

            } catch (IOException e) {

                // TODO Auto-generated catch block
                e.printStackTrace();

            }

        } catch (FileNotFoundException e) {

            // TODO Auto-generated catch block
            e.printStackTrace();

        }

    }

    else

    if(arg0.getSource()==j2){

        try {

            System.out.println("The Odd Numbers in the
file are");

            fr2=new FileReader("E:/MCA2/exam/odd.txt");

```

```

        bf2=new BufferedReader(fr2);

        try {

            while((str2=bf2.readLine())!=null){

                System.out.println(str2);

            }

        } catch (IOException e) {

            // TODO Auto-generated catch block

            e.printStackTrace();

        }

    } catch (FileNotFoundException e) {

        // TODO Auto-generated catch block

        e.printStackTrace();

    }

}

else

if(arg0.getSource()==j3){

    try {

        System.out.println("The Complete Numbers in

the file are");

        fr3=new

FileReader("E:/MCA2/exam/allnumbers.txt");

        bf3=new BufferedReader(fr3);

        try {

            while((str3=bf3.readLine())!=null){

                System.out.println(str3);

            }

        } catch (IOException e) {

            // TODO Auto-generated catch block

            e.printStackTrace();

        }

    } catch (FileNotFoundException e) {

```

```

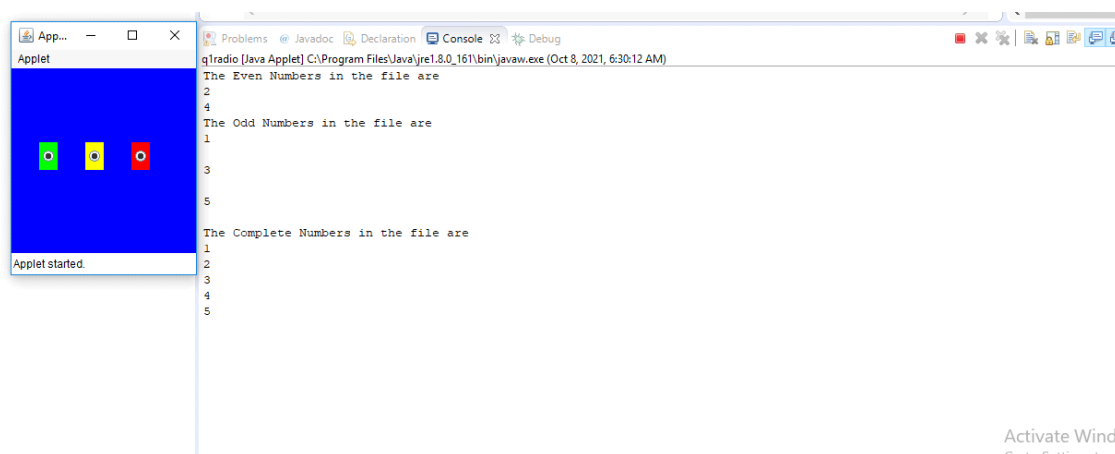
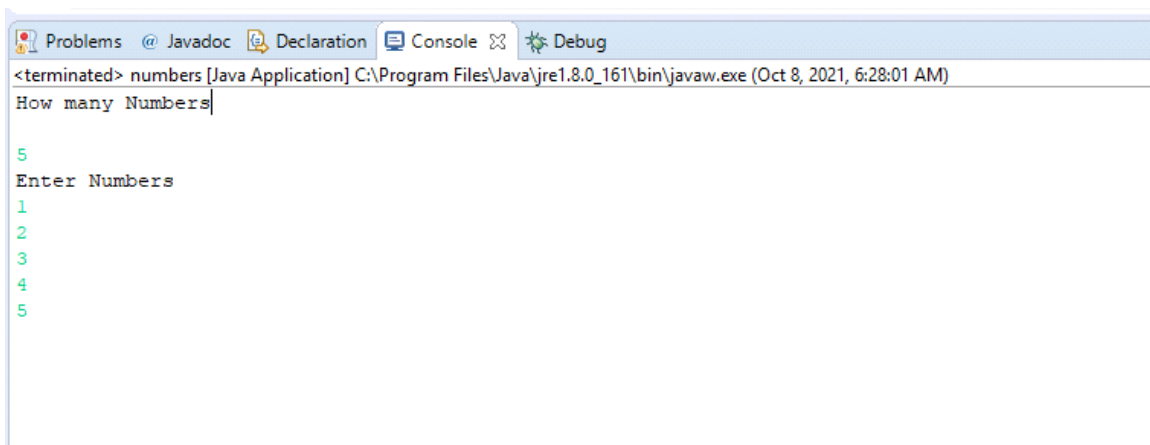
        // TODO Auto-generated catch block
        e.printStackTrace();
    }

}

}

```

OUTPUT



Activate Windows
Go to Settings to activate Windows.