

ARPIT BHARDWAJ

AD-1219

BSC HONS

COMPUTER SCIENCE

JAVA

Ques 6 : Write a program that copies content of one file to another. Pass the names of the files through command-line arguments.

```
import java.io.*;
class CopyContent
{
    public static void main(String args[])throws Exception
    {
        File infile=new File(f1.txt);
        File ofile=new File(f2.txt);
        FileReader fr=null;
        FileWriter fw=null;
        try
        {
            fr=new FileReader(infile);
            fw=new FileWriter(ofile);
            int ch;
            while((ch=fr.read())!=-1)
            {
                fw.write((char)ch);
            }
        }
        catch(Exception e)
        {
            System.out.println(e);
        }
        finally
        {
            fr.close();
            fw.close();
            System.out.println("Copied contents of "+args[0]+" file to "+args[1]+" file.");
        }
    }
}
```

```
PROBLEMS 14 OUTPUT DEBUG CONSOLE TERMINAL Code + - [ ] [X]
Windows PowerShell
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PS C:\Users\hp\LetsGit> cd "c:\Users\hp\Desktop\Lab_8\" ; if ($?) { javac CopyFile.java } ; if ($?) { java CopyFile }
Exception in thread "main" java.lang.ArrayIndexOutOfBoundsException: Index 0 out of bounds for length 0
    at CopyFile.main(CopyFile.java:6)
```

Ques 7 : Write a program to read a file and display only those lines that have the first two characters as '/' (Use try with resources).

```
import java.io.*;
class TryWith
{
    public static void main(String args[])throws IOException
    {
        File infile=new File("f1.txt");
        BufferedReader br=new BufferedReader(new FileReader(infile));
        try(br)
        {
            String str,s;
            while((str=br.readLine())!=null)
            {
                str=str.trim();
                if(str.substring(0,2).equals("/"))
                {
                    System.out.println(str.substring(2));
                }
                else
                    continue;
            }
        }
        finally
        {
            br.close();
        }
    }
}
```

```
PROBLEMS 16 OUTPUT DEBUG CONSOLE TERMINAL Code + v [icon] [icon]
Windows PowerShell
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PS C:\Users\hp\LetsGit> cd "c:\Users\hp\Desktop\Lab_8\" ; if ($?) { java TryWith.java } ; if ($?) { java TryWith }
HELLO EVERYONE
I AM AYUSH
```

Ques 8 : Write a program to handle mouse events(Clicked, Entered, Exited, Presses, and Released).

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

class MouseDemo extends Frame
{
    private Label l = new Label();

    MouseDemo()
    {
        setSize(300, 200);
        setLocation(0, 0);
        setTitle("Mouse Tester");
        setVisible(true);
        setLayout(new FlowLayout());

        add(l);

        addComponentListener(new ComponentAdapter()
        {
            public void componentResized(ComponentEvent ce)
            {
                addMouseListener(new MouseAdapter()
                {
                    public void mouseEntered(MouseEvent e)
                    {
                        l.setText("Mouse entered");
                        setSize(200, 200);
                    }
                }
            }
        })
    }
}
```

```

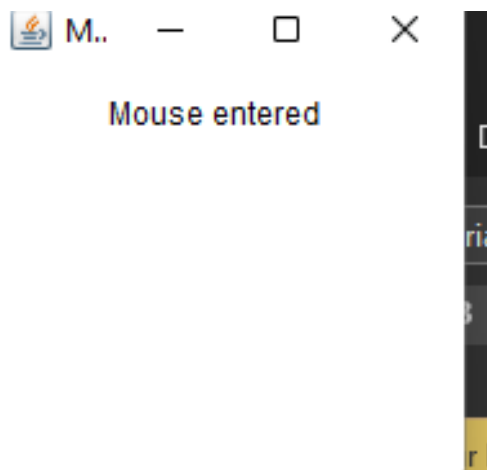
        public void mouseClicked(MouseEvent e)
        {
            l.setText("Mouse Clicked");
            setSize(400, 400);
        }

        public void mousePressed(MouseEvent e)
        {
            l.setText("Mouse Pressed");
            setSize(250, 250);
        }

        public void mouseReleased(MouseEvent e)
        {
            l.setText("Mouse Released");
            setSize(350, 300);
        }

        /*public void mouseExited(MouseEvent e)
        {
            l.setText("Mouse Exited.");
        }*/
    });
}
});
}
public static void main(String args[])
{
    new MouseDemo();
}
}

```



Ques 9 : Write a program to handle key events(Pressed, Released, and Typed).

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

class MouseDemo extends Frame
{
    private Label l = new Label();

    MouseDemo()
    {
        setSize(300, 200);
        setLocation(0, 0);
        setTitle("Mouse Tester");
        setVisible(true);
        setLayout(new FlowLayout());

        add(l);

        addComponentListener(new ComponentAdapter()
        {
            public void componentResized(ComponentEvent ce)
            {
                addMouseListener(new MouseAdapter()
                {
                    public void mouseEntered(MouseEvent e)
                    {
                        l.setText("Mouse entered");
                        setSize(200, 200);
                    }

                    public void mouseClicked(MouseEvent e)
                    {
                        l.setText("Mouse Clicked");
                        setSize(400, 400);
                    }

                    public void mousePressed(MouseEvent e)
                    {
                        l.setText("Mouse Pressed");
                        setSize(250, 250);
                    }

                    public void mouseReleased(MouseEvent e)
                    {
                        l.setText("Mouse Released");
                        setSize(350, 300);
                    }
                }
            }
        });
    }
}
```

```
        }

        /*public void mouseExited(MouseEvent e)
        {
            l.setText("Mouse Exited.");
        }*/
    });
}
});
}
public static void main(String args[])
{
    new MouseDemo();
}
}
```