OOPS LAB EXAM
PROGRAM CODE

```java
import java.applet.Applet;
import java.awt.Button;
import java.awt.Color;
import java.awt.Container;
import java.awt.Graphics;
import java.awt.Graphics.*;
import java.awt.TextField;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.io.FileNotFoundException;
import java.io.PrintStream;
import java.util.ArrayList;
import java.util.List;
public class Exam extends Applet implements ActionListener{

            Button b1,b2;
        TextField t1,t2;
    public void paint(Graphics g){
            g.setColor(Color.yellow);
            g.fillOval(600, 20, 70, 70);
            g.drawOval(600,20,70,70);
            g.setColor(Color.CYAN);
            g.fillRect(200,300,100,200);
            g.drawRect(200,300,100,200);
            g.setColor(Color.DARK_GRAY);
            g.fillRect(225,380,50,120);
            g.setColor(Color.red);
            int [] x ={200,250,300};
            int [] y ={300,150,300};
            g.fillPolygon(x,y,3);

            }
        public void init() {
                b1=new Button ("DAY");
        b2=new Button ("NIGHT");
        t1=new TextField(30);
        t2=new TextField(50);
        add(b1);
        add(t1);
        add(b2);
        add(t2);
        b1.addActionListener(this);
```

```java
    b2.addActionListener(this);
    repaint();
     }
    @Override
    public void actionPerformed(ActionEvent e) {
    ArrayList<String> s = new ArrayList<String>();

 PrintStream sc = null;
     try {
            sc = new PrintStream("DAY.txt");
     } catch (FileNotFoundException e1) {

            e1.printStackTrace();
     }


    System.out.println("AMAL\n");
    System.out.println("ARUN\n");
    System.out.println("HARI\n");
    System.out.println("JOMIN\n");
    System.out.println("SHAD\n");



     }


}


/*
<applet code = Exam.class height = 300 width = 300></applet>
*/
```

OUTPUT

Applet Viewer: Exam.class

Applet

DAY | NIGHT

Applet started.

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

Quick Access

Problems   @ Javadoc   Declaration   Console

Exam [Java Applet] C:\Program Files\Java\jdk1.8.0_161\bin\javaw.exe (Oct 8, 2021, 4:55:03 PM)

```
AMAL

ARUN

HARI

JOMIN

SHAD
```

Welcome

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Ask me anything

ENG   4:55 PM
IN   10/8/2021