

Name: Nikita Nagpure

Roll No: B26

Q 46: Write a Program to demonstrate multiple inheritance through interface

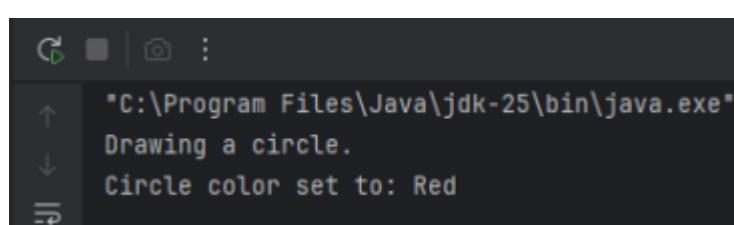
```
interface Drawable{
    // abstract method
    void draw();
}

interface Colorable{
    void setColor(String color);
}

class Circle implements Drawable, Colorable{
    private String color;
    @Override
    public void draw(){
        System.out.println("Drawing a circle");
    }
    @Override
    public void setColor(String color){
        this.color = color;
        System.out.println("Circle color set to: " + color);
    }
}

public class TestInterface{
    public static void main(String[] args){
        Circle c = new Circle();
        c.draw();
        c.setColor("Red");
    }
}
```

Output:



A screenshot of a terminal window showing Java output. The terminal has a dark background with light-colored text. At the top, there are icons for file operations: a green arrow (refresh), a black square (new), a camera (open), and a colon (more). Below these are standard terminal navigation keys: up, down, left, right, and a double-left arrow. The text area starts with the path "C:\Program Files\Java\jdk-25\bin\java.exe". It then displays two lines of output from the Java application: "Drawing a circle." and "Circle color set to: Red".

```
"C:\Program Files\Java\jdk-25\bin\java.exe"
Drawing a circle.
Circle color set to: Red
```