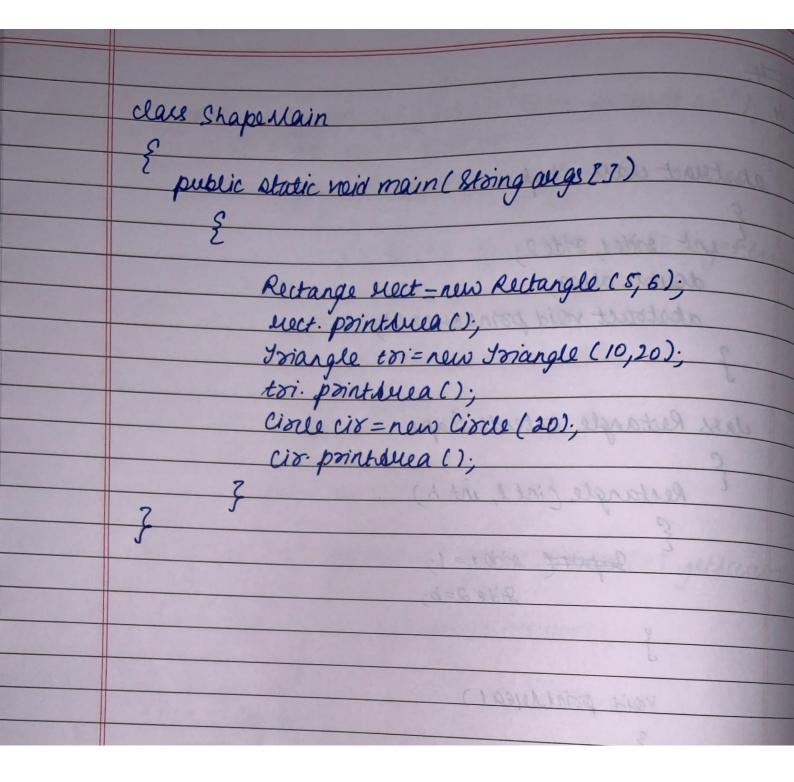
```
WEEK 4.
LAB 4.
       abstract class shape
             double acrea;
            abstract void point sueal).
       class Rectangle extends shape

E Rectangle (int 1, int b)

E Support side 1 = 1;
                 void point duea ()
                     auca = side 1 + side2.
                     System out pointln (" Auga of rectugle is: " + area).
        class Eircle extends Shape
             Circle (int 4)
                 slide 1 = 4.
             void printereal)
                    acrea = 3.14 & side 1 * side 1;
                   system out printin (" dea of circle is: "+ area);
```



```
ShapeMain - Notepad
                                                                                                                                                         - 6 ×
File Edit Format View Help
abstract class Shape
   int side1,side2;
  double area;
abstract void printArea();
class Rectangle extends Shape
   Rectangle(int 1, int b)
        side1=1;
       side2=b;
   void printArea()
        area=side1*side2;
        System.out.println("The area of the Rectagle is: "+area);
   }
}
class Triangle extends Shape
   Triangle(int h, int b)
        side1=h;
       side2=b;
   void printArea()
       area=0.5*side1*side2;
System.out.println("The Area of the triangle is: "+area);
}
                                                                                                                Ln 17, Col 26 100% Windows (CRLF) UTF-8
```

```
ShapeMain - Notepad
                                                                                                                                                                                 - 0 X
File Edit Format View Help
   {
        area=0.5*side1*side2;
System.out.println("The Area of the triangle is: "+area);
  }
}
class Circle extends Shape
    Circle(int r)
         side1=r;
    void printArea()
         area=3.14*side1*side1;
System.out.println("The Area of the Circle is: "+area);
}
class ShapeMain
    public static void main(String args[])
         Rectangle rect=new Rectangle(5,6);
        rect.printArea();
Triangle tri=new Triangle(5, 8);
tri.printArea();
Circle cir=new Circle(10);
         cir.printArea();
                                                                                                                                  Ln 17, Col 26 100% Windows (CRLF) UTF-8
```

```
Microsoft Windows [Version 10.0.18362.959]

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G:\bin\Programs>javac Shapemain.java
'javac' is not recognized as an internal or external command,
operable program or batch file.

G:\bin\Programs>javac Shapemain.java

G:\bin\Programs>javac Shapemain.java

G:\bin\Programs>javas Shapemain
Error: Could not find or load main class Shapemain

G:\bin\Programs> java ShapeMain

The area of the Rectagle is: 30.0

The Area of the triangle is: 20.0

The Area of the Circle is: 314.0
```