DATE: 13/02/2024

PROGRAM-5

LAB-3

AIM:-USING THE CONCEPT OF METHOD OVERLOADING WRITE METHOD FOR CALCULATING THE AREA OF TRINAGLE ,CIRCLE,RECTANGLE.

CODE:-

```java
package JAVA;
class area{
  void AREA(double r){
    double a= Math.PI*r*r;
    System.out.println("the area of circle is "+a);


  }
  void AREA(double r,double l){
    double ar=l*r;
    System.out.println("the are of rectangle "+ar);


  }
  void AREA(int r,int l){
    double are =0.5*r*l;
    System.out.println("the area of triangle "+are);


  }
}
 class lab3_5 {
  public static void main(String[] agrs){
      area A = new area();
```

```
        A.AREA(1);

        A.AREA(1,2);

        A.AREA(1,2);

    }

}
```

OUTPUT:

```
PS C:\Users\Admin\Desktop>  c:; cd 'c:\Users\Admin\Desktop'; & 'C:\Program Files\Java\jdk-21\bin\java
.exe' '--enable-preview' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\Admin\AppData\Roam
ing\Code\User\workspaceStorage\e0dc2e9535830c46d9c00ded3eb4123a\redhat.java\jdt_ws\Desktop_f8aad77d\b
in' 'JAVA.lab3_5'
the area of circle is 3.141592653589793
the area of triangle 1.0
the area of triangle 1.0
PS C:\Users\Admin\Desktop>
```