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Section: B

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Subject: Object Oriented Programming Lab

Practical-3

- **Problem Definition:**

  Write a program in java to overload the method area for the different shapes, like, circle square and triangle

- **Program:**

```java
class Shape{
    void Area(int l, int b){
        System.out.println("Area of rectangle = "+ l*b + " sq. unit\n");
    }
    void Area(int Radius){
        System.out.println("Area of circle = " + 3.14 * Radius * Radius + " sq. unit\n");
    }
    void Area(double b, double h){
        System.out.println("Area of triangle = "+ 0.5*b*h + " sq. unit\n");
    }
}
class Practical3{
    public static void main(String[] args) {
        Shape s= new Shape();
        s.Area(4, 5);
        s.Area(7);
        s.Area(8.0 , 6.0);
    }
}
```
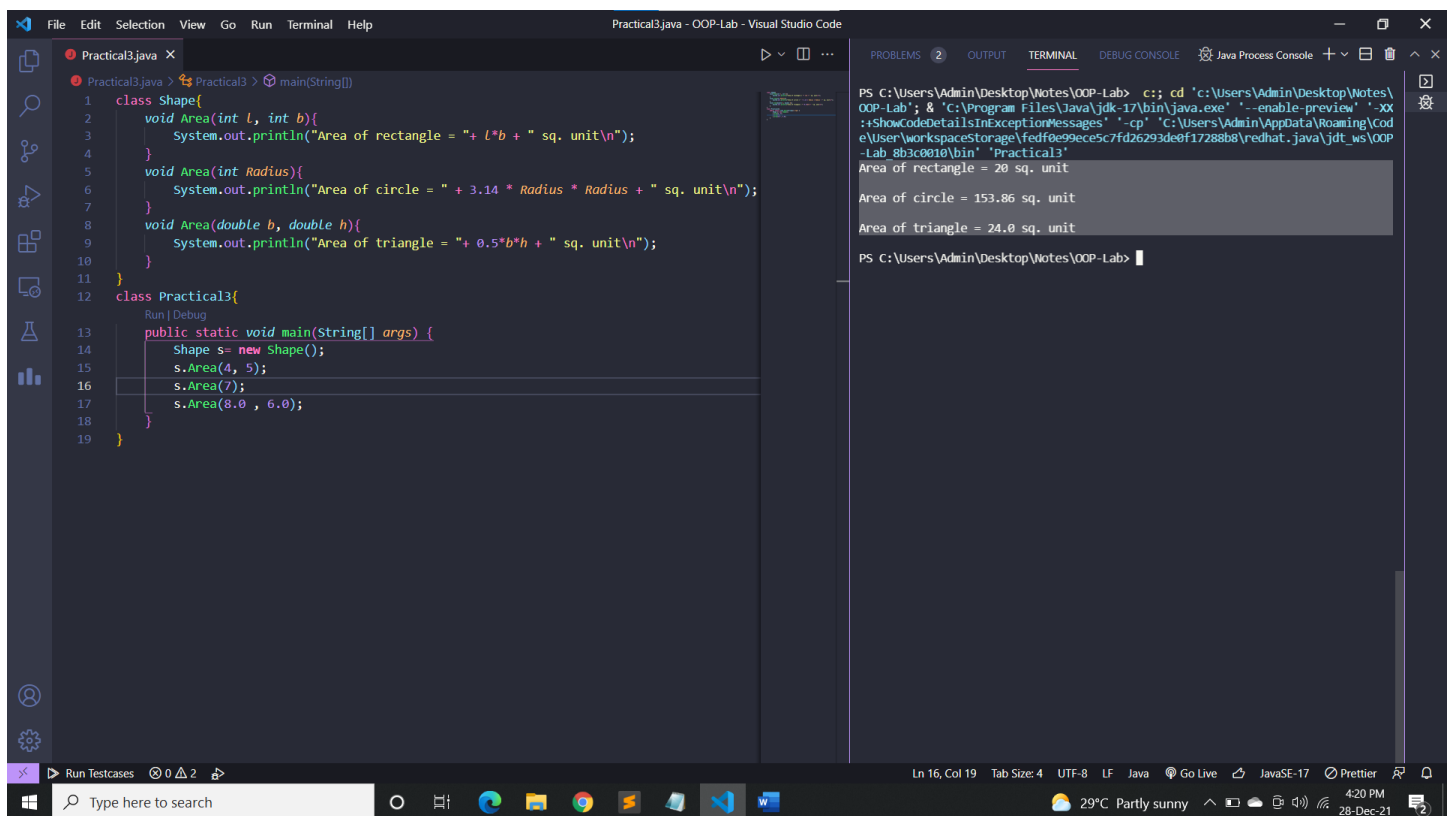
- **Output:**

Area of rectangle = 20 sq. unit

Area of circle = 153.86 sq. unit

Area of triangle = 24.0 sq. unit

- **Screenshot:**

- **Result:**

By studying implementation of concept of function overloading in Java, I have successfully completed Practical-3.