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Section: B

Roll No. 140

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Subject: Object Oriented Programming Lab

Practical-11

- **Problem Definition:**

  Write a generic program to add two numbers of two different data types.

- **Program:**

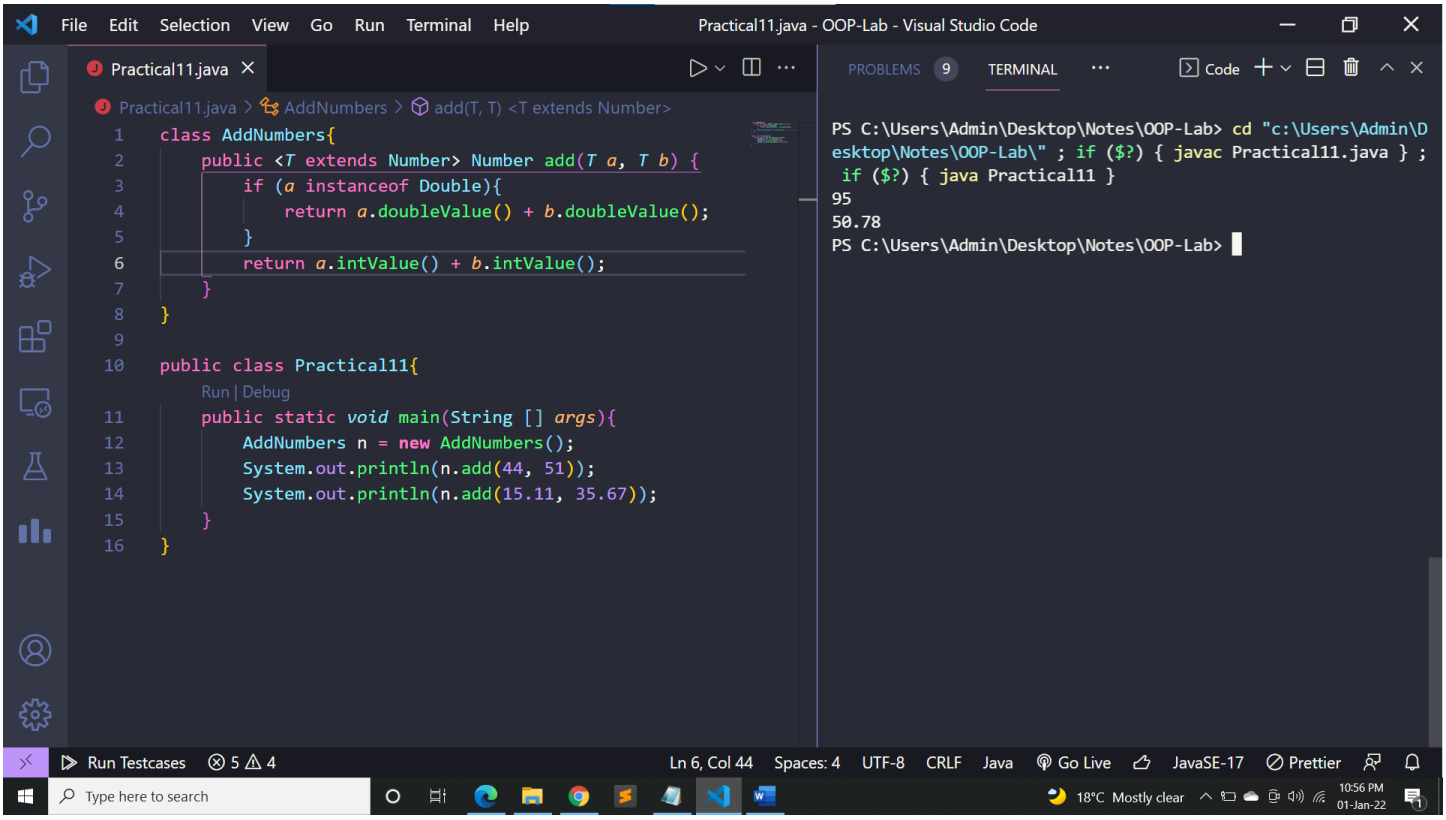
```java
class AddNumbers{
    public <T extends Number> Number add(T a, T b) {
        if (a instanceof Double){
            return a.doubleValue() + b.doubleValue();
        }
        return a.intValue() + b.intValue();
    }
}

public class Practical11{
    public static void main(String [] args){
        AddNumbers n = new AddNumbers();
        System.out.println(n.add(44, 51));
        System.out.println(n.add(15.11, 35.67));
    }
}
```

- **Output:**

```
95
50.78
```

- **Screenshot:**



- **Result:**

  By studying concept of generic classes and function in Java, I have successfully completed Practical-11.