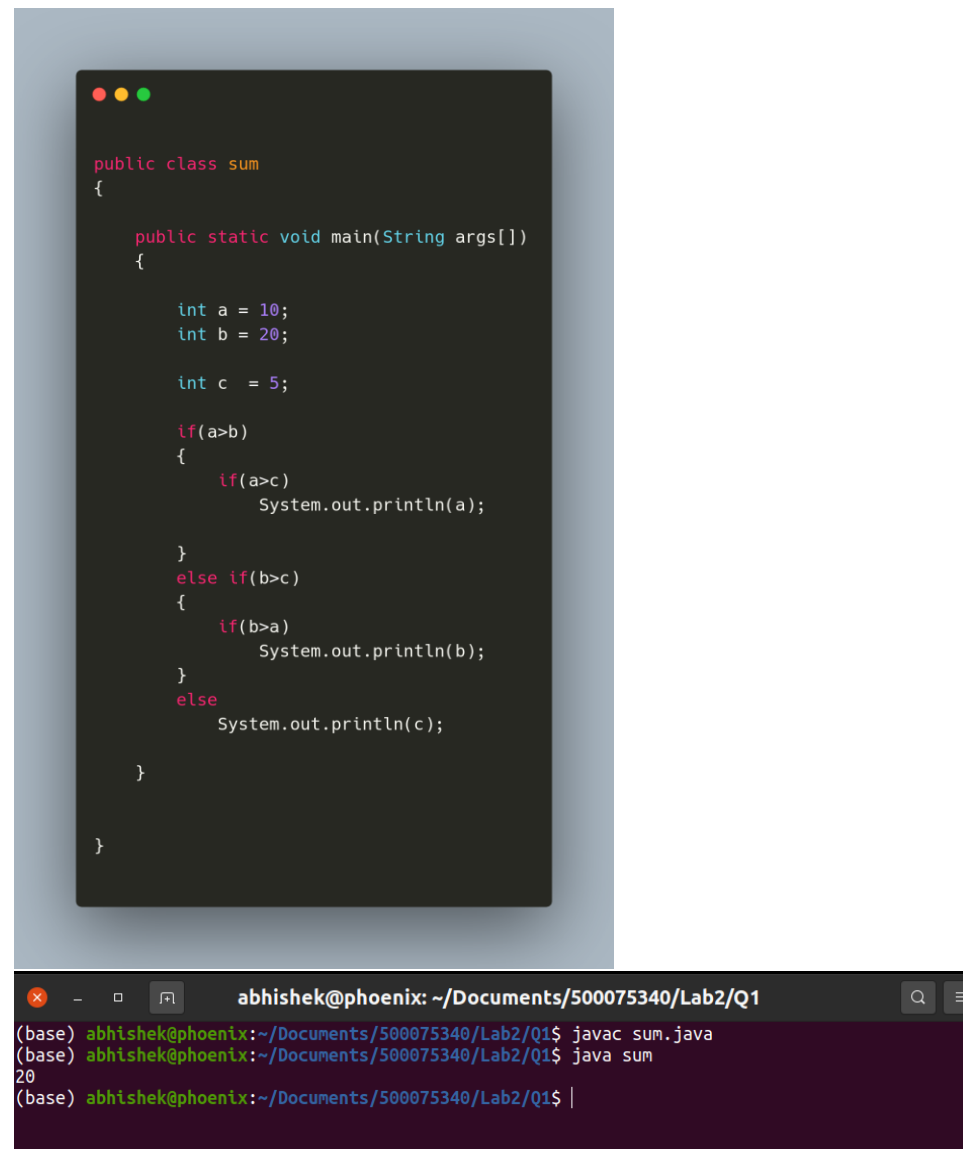


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OOPs experiment No 2

Experiment No 1 :



The image shows a code editor window with a dark background and a terminal window below it. The code editor displays a Java program named 'sum'. The program defines a public class 'sum' with a main method. Inside the main method, three integer variables are declared: 'a' with value 10, 'b' with value 20, and 'c' with value 5. The program uses nested if-else statements to print the value of the largest variable. Since 'b' (20) is greater than 'a' (10) and 'c' (5), the program prints '20'.

```
public class sum
{
    public static void main(String args[])
    {
        int a = 10;
        int b = 20;

        int c = 5;

        if(a>b)
        {
            if(a>c)
                System.out.println(a);
        }
        else if(b>c)
        {
            if(b>a)
                System.out.println(b);
        }
        else
            System.out.println(c);
    }
}
```

The terminal window shows the following commands and output:

```
abhishek@phoenix: ~/Documents/500075340/Lab2/Q1
(base) abhishek@phoenix:~/Documents/500075340/Lab2/Q1$ javac sum.java
(base) abhishek@phoenix:~/Documents/500075340/Lab2/Q1$ java sum
20
(base) abhishek@phoenix:~/Documents/500075340/Lab2/Q1$ |
```


Experiment No 2 :

```
public class Calculator {  
  
    public static void main(String args[]) {  
  
        if(args.length!=0)  
        {  
            int sum = 0;  
  
            for(int i=0;i<args.length;i++)  
            {  
                int z = Integer.parseInt(args[i]);  
                sum += z;  
            }  
            System.out.println(sum);  
        }  
        else  
            System.out.println("NO CLA");  
  
    }  
}
```

```
abhishek@phoenix: ~/Documents/500075340/Lab2/Q2  
(base) abhishek@phoenix:~/Documents/500075340/Lab2/Q2$ javac Calculator.java  
(base) abhishek@phoenix:~/Documents/500075340/Lab2/Q2$ java Calculator 10 20 30  
60  
(base) abhishek@phoenix:~/Documents/500075340/Lab2/Q2$ |
```

Experiment No 3:

```
class ClassandObj
{

    public static void main(String args[])
    {

        SomeClass obj=new SomeClass();

        obj.setA(10);

        System.out.println(obj.getA());

        if(args.length!=0)
        {
            for(int i=0;i<args.length;i++){
                System.out.println("Argument "+i+" is:"+args[i]);
            }
        }

        else{
            System.out.println("No CLA");
        }
    }

}

class SomeClass
{
    int a;//State
    void setA(int a){
        System.out.println("Value Setted");
        this.a=a;
    }
    int getA(){
        System.out.println("Value Returned");
        return this.a;
    }
}
```

```
abhishek@phoenix: ~/Documents/500075340/Lab2/Q3
(base) abhishek@phoenix:~/Documents/500075340/Lab2/Q3$ java ClassandObj
Value Setted
Value Returned
10
No CLA
(base) abhishek@phoenix:~/Documents/500075340/Lab2/Q3$ |
```