

Experiment No: 1

Name: Aniket Balendra Tiwari

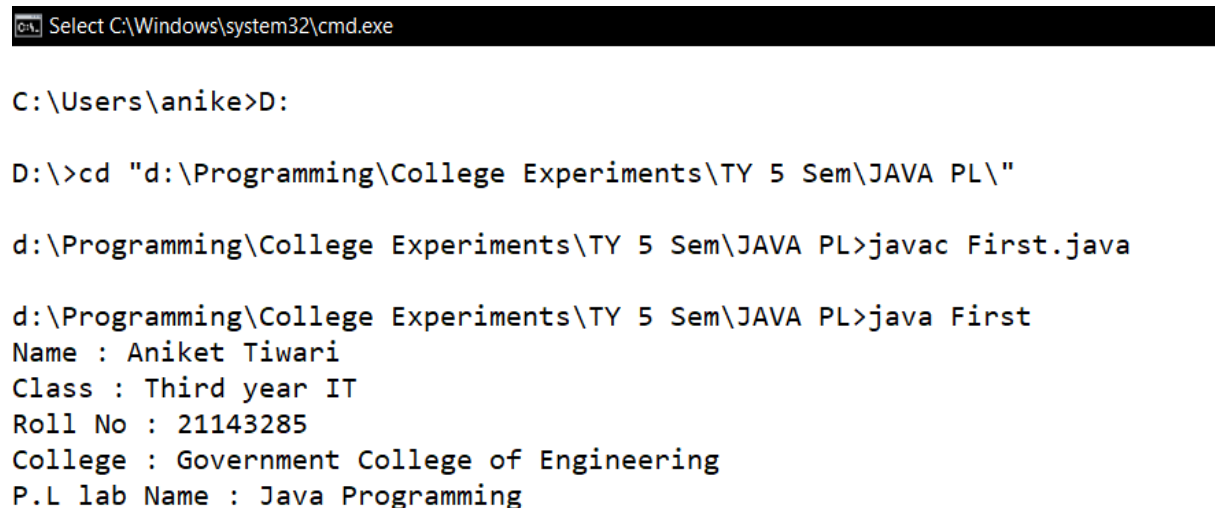
Roll No: 21143285

Program:

Program 1: Write a program for a Personal details using java.

```
class First {  
    public static void main(String[] args) {  
        System.out.println("Name : Aniket Tiwari");  
        System.out.println("Class : Third year IT");  
        System.out.println("Roll No : 21143285");  
        System.out.println("College : Government College of Engineering");  
        System.out.println("P.L lab Name : Java Programming");  
    }  
}
```

Output:



```
Select C:\Windows\system32\cmd.exe  
  
C:\Users\anike>D:  
  
D:\>cd "d:\Programming\College Experiments\TY 5 Sem\JAVA PL\  
  
d:\Programming\College Experiments\TY 5 Sem\JAVA PL>javac First.java  
  
d:\Programming\College Experiments\TY 5 Sem\JAVA PL>java First  
Name : Aniket Tiwari  
Class : Third year IT  
Roll No : 21143285  
College : Government College of Engineering  
P.L lab Name : Java Programming
```

Program 2 : Write a program for a calculator using java.

```
import java.util.Scanner;

class Calculator {
    public static void main(String[] args) {

        char operator;
        Double num1, num2, result;

        Scanner input = new Scanner(System.in);

        System.out.println("Choose an operator: +, -, *, or /");
        operator = input.next().charAt(0);

        System.out.println("Enter first number");
        num1 = input.nextDouble();

        System.out.println("Enter second number");
        num2 = input.nextDouble();

        switch (operator) {

            case '+':
                result = num1 + num2;
                System.out.println(num1 + " + " + num2 + " = " + result);
                break;

            case '-':
                result = num1 - num2;
                System.out.println(num1 + " - " + num2 + " = " + result);
                break;

            case '*':
                result = num1 * num2;
                System.out.println(num1 + " * " + num2 + " = " + result);
                break;

            case '/':
                result = num1 / num2;
                System.out.println(num1 + " / " + num2 + " = " + result);
                break;
```

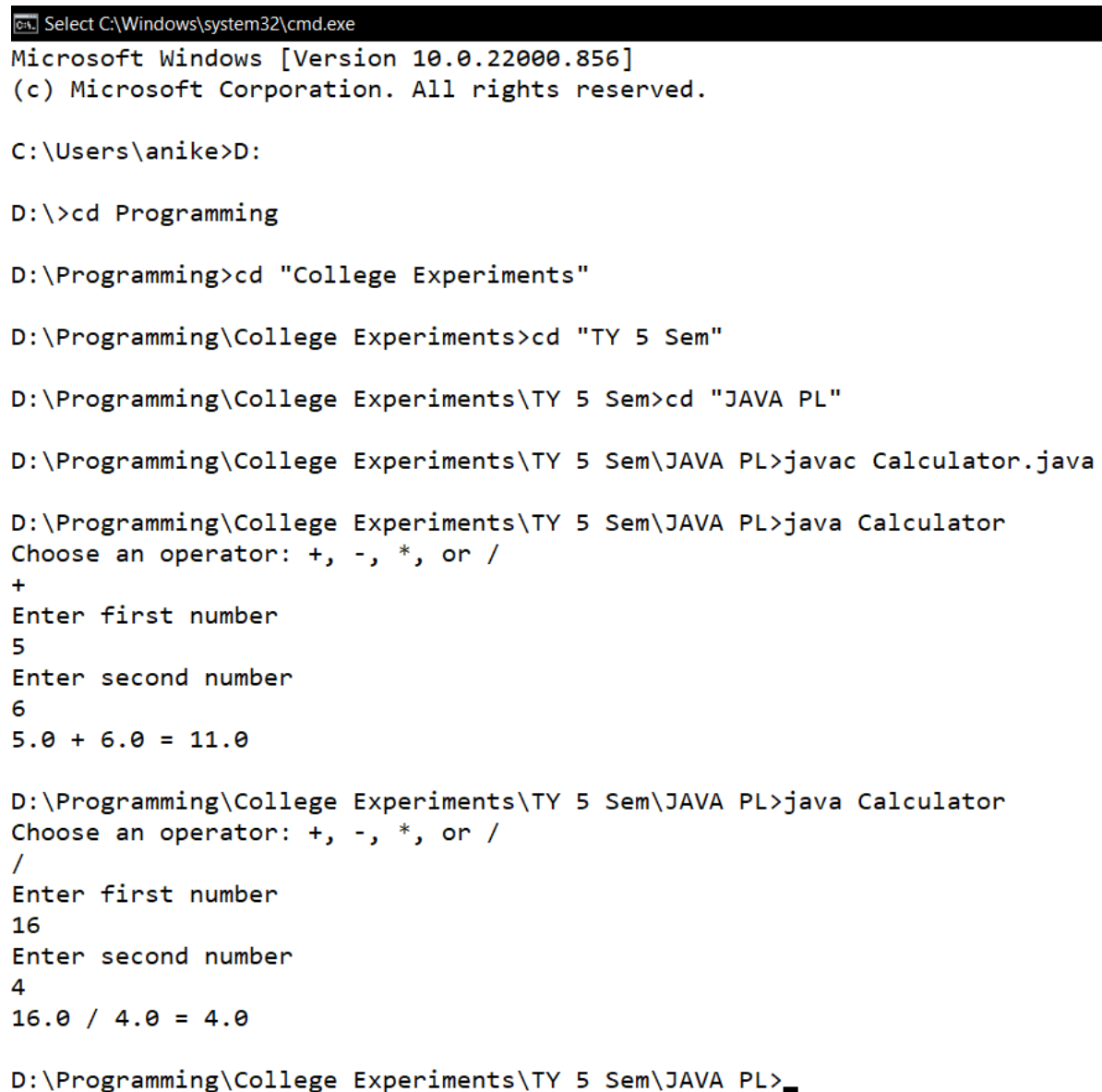
```

        default:
            System.out.println("Invalid operator!");
            break;
    }

    input.close();
}
}

```

Output:



```

Microsoft Windows [Version 10.0.22000.856]
(c) Microsoft Corporation. All rights reserved.

C:\Users\anike>D:

D:\>cd Programming

D:\Programming>cd "College Experiments"

D:\Programming\College Experiments>cd "TY 5 Sem"

D:\Programming\College Experiments\TY 5 Sem>cd "JAVA PL"

D:\Programming\College Experiments\TY 5 Sem\JAVA PL>javac Calculator.java

D:\Programming\College Experiments\TY 5 Sem\JAVA PL>java Calculator
Choose an operator: +, -, *, or /
+
Enter first number
5
Enter second number
6
5.0 + 6.0 = 11.0

D:\Programming\College Experiments\TY 5 Sem\JAVA PL>java Calculator
Choose an operator: +, -, *, or /
/
Enter first number
16
Enter second number
4
16.0 / 4.0 = 4.0

D:\Programming\College Experiments\TY 5 Sem\JAVA PL>

```