

Lab Goal : This lab was designed to teach you how to instantiate an object, pass parameters, calculate values, and display the results.

Lab Description : Write a program that takes two numbers, calculates the sum, and prints the sum.

sum = one + two sum is equal to the value of one added to the value of two

Class Shell:

```
public class Sum
{
    private double one, two, sum;

    public void setNums(double num1, double num2)
    {
        one=num1;
        two=num2;
    }

    public void sum( )
    {

    }

    public void print( )
    {

    }
}
```

Sample Data:

```
5 5
90 100
100.5 85.8
-100 55
15236 5642
1000 555
```

Sample Output :

```
5.0 + 5.0 == 10.00
90.0 + 100.0 == 190.00
100.0 + 85.8 == 185.80
-100.0 + 55.0 == -45.00
15236.0 + 5642.0 == 20878.00
1000.0 + 555.0 == 1555.00
```

FORMATTING OUTPUT

```
double dec = 9.541724;

out.printf("%.3f\n",dec);           //outs 9.542
    //printf is a void method

out.println(String.format("%.3f",dec)); //outs 9.542
    //format is a String return method
    //format is useful when writing toString() methods
```