MODULE THREE:

INTEGERS

First, let's learn how to add or subtract two integers. Use **+** for addition and **-** for subtraction
To add two integers:

```
int a = 1
int b = 2
int sum = a + b
System.out.println(sum)
```

CHALLENGE ONE:
Write a program that subtracts two numbers

Now, let's add two integers that are entered as command line arguments by a user. We will have to cast the input arguments to integers using Integer.parseInt(*argument*)

```
String name = args[0]
int x = Integer.parseInt(args[1]);
int y = Integer.parseInt(args[2]);
int sum = x + y;
System.out.println(name + "'s sum is " sum)
```

DOUBLES:

There are two other important operations of multiplication ***** and division **/**. What happens when you compute a / b in the above example? You expect to get an answer of 0.5 but something went wrong. We need a type called **double** to address this issue, and account for numbers with digits after the decimal point.

To divide two numbers:

```
double a = 1
double b = 2
double quotient = a + b
System.out.println(quotient)
```

CHALLENGE TWO:
Read in a name and age in years and write "Hello, *name.* You are *x* many seconds old"