



JAVA

Class 2

Agenda

String Concatenation

Operators in Java

If Statement

If Else Statement

Task

Create a Java program and name it Variables

In your program create variables to store students information and then print value of those variables:

- name
- lastName
- grade
- city
- state
- phoneNumber

String Concatenation

Java string concatenation operator (+) is used to add/join/combine strings.

```
1 package com.class1;
2
3 public class Variables {
4
5     public static void main(String[] args) {
6
7         String name="John";
8         String lastName="Smith";
9         char grade='A';
10        String city="Fairfax";
11        String state="VA";
12        int phoneNumber=1234567890;
13
14        System.out.println("My name is "+name);
15        System.out.println("My last name is "+lastName);
16        System.out.println("My grade is "+grade);
17        System.out.println("I live in city of "+city);
18        System.out.println("I live in state of "+state);
19        System.out.println("My phone number is "+phoneNumber);
20    }
21 }
```

Console

<terminated> Variables [Java Application] /Library/Java/JavaVirtualMachines/jdk1.8.0_144.jdk/Contents/Home/bin/java (Feb 16, 2019, 9:35:32 PM)

```
My name is John
My last name is Smith
My grade is A
I live in city of Fairfax
I live in state of VA
My phone number is 1234567890
```

Operators in Java

Assignment Operator

One of the most common operators that you'll encounter is the simple assignment operator "=".

```
int b=20;  
String name="Syntax";
```

Operators in Java

Arithmetic Operators

Operator	Description
+	For Addition
-	For Subtraction
*	For Multiplication
/	For Division
%	MOD - For Remainder

Task

1. Write a Java program to add, subtract, multiply and divide 2 decimal values. Your program should say. "The _____ of 2 numbers ___ and ___ is equal to ____"
2. Write a program to find the square of the number 3.9. Your program should say "The square of the ___ is ____"
3. Write a program to print the area and perimeter of a rectangle with width = 5 and height = 8. Your program should say. "The perimeter of a rectangle with width ___ and height ___ is equal to ____ and the area is ____"