

# INTRO TO COMPUTER SCIENCE



Module 1 : Variables, Operations, Conditionals



## PRIMITIVE DATA TYPES

type	value	assignment
int	0,1,2,3	int x = 5
double	3.5, 0.6, 99.88	double z = 12.6
boolean	true, false	boolean newBool = true
char	'A', 'k', 'L'	char newChar = 'H'
String*	"hello world"	String name = "Carl"



## OPERATIONS



the basics

+  
-  
\*  
/

the shortcuts

++ (adds one)  
-- (subtracts one)  
+= (adds # of your choosing)

integer division

3 / 2 = 1  
BUT  
3.0 / 2 = 1.5

## BOOLEAN COMPARISONS

>  
<  
>=  
<=  
==  
&&  
||  
!

true && true = true  
true && false = false  
false && false = false  
true || true = true  
true || false = true  
false || false = false  
!true = false

## CONDITIONALS

```
if (condition1 == true) {  
    //do something  
}  
else if (condition 2 == true) {  
    //do something else  
}  
else {  
    //do this  
}
```