



# CMSC 131

Fall 2018

# Arithmetic Operators

+	Addition
-	Subtraction
*	Multiplication
/	Division
%	Modulus
++	Increment

+=	Addition assignment
-=	Subtraction assignment
*=	Multiplication assignment
/=	Division assignment
%=	Modulus assignment
--	Decrement

# Escape Sequences

Try writing a program that prints on the console:

```
I said "hi."
```

Common escape sequences for String literals:

\”	Quotation mark
\n	New line
\t	Tab
\\	One slash

# Comparison Operators

<	Less than
>	Greater than
<=	Less than or equal to
>=	Greater than or equal to

The following are “boolean expressions”:

7 < 12

8 > 50

2 <= 7

2 <= 2

x < 50

y >= z

# Equality Operators

==	Equality
!=	Not equal to

The following are “boolean expressions”:

7 == 12

7 != 12

x == 5

z != y

## Example: EqualityWithObjects.java

```
String a = myScanner.next();  
String b = myScanner.next();  
System.out.println(a == b);
```

Results are probably not what you want. (We'll see why later...)

IMPORTANT: `==` works with primitives. To compare two objects use

```
a.equals(b)        // boolean expression
```