

# Introduction to Java

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## Assignment

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## Data Types and Operations

- Write programs to use all the data types and given arithmetic operations.
- Write program to perform all the arithmetic operations given in the table.

Arithmetic Operators	
+	→ Addition
-	→ Subtraction
*	→ Multiplication
/	→ Division
++	→ Increment operator
--	→ Decrement operator

### if Condition

- Write a program to check if a candidate is eligible for voting or not. (Hint: Check age)
- Write a program to check if the number is positive or negative.
- Extend the previous program to check whether the given number is positive, zero or negative. (Hint: use if-else conditions)
- Write a program to find largest of two numbers.
- Write a program to check given number is even or odd. (Hint: use % operator)

### for..loop

- Write a program to print 10 even numbers and 10 odd numbers.
- Write a program to find factorial of a number.
- Write a program to generate tables of 10.
- Write a program to add the digits of a number.
- Write a program to reverse the digits of a number.
- Write a program to generate 10 Fibonacci numbers.

## while..loop

- Write a program to print 10 even numbers and 10 odd numbers.
- Write a program to find factorial of a number.
- Write a program to generate tables of 10.
- Write a program to add the digits of a number.
- Write a program to reverse the digits of a number.
- Write a program to generate 10 Fibonacci numbers.

## do..while loop

- Write a program to print 10 even numbers and 10 odd numbers.
- Write a program to find factorial of a number.
- Write a program to generate tables of 10.
- Write a program to add the digits of a number.
- Write a program to reverse the digits of a number.
- Write a program to generate 10 Fibonacci numbers.

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