**Learn Java and Programming as all:**

First with general websites that can help you with your learning of programming:

**1 – UDACITY: https://www.udacity.com/.**

**2 – W3SCHOOL: https://www.w3schools.com/java/default.asp.**

# Tip:

**1 – while you learn each concept try to solve programming problems and questions as much as you can using that concept, then move for the next, here are some websites that will help you to develop your programming problem solving skills:**

A - HackerRank (https://www.hackerrank.com/)

B - LeetCode (https://leetcode.com/)

C - Project Euler (https://projecteuler.net/)

D - CodeWars (https://www.codewars.com/)

E - CodingBat (https://codingbat.com/java)

**2 - this is a link for full Java programming concepts course, but you need to wait until at lest a month then open it, do not open it except you learn the down below concepts and solve allot of programming question using them, the link (https://www.youtube.com/watch?v=xk4_1vDrzzo)**

**It is by Bro Code channel a great YouTube channel for learn programming.**

# Here are the concepts that you will learn one by one:

1 – **Variables**: In programming, a variable is a named memory location that stores a value. Variables are used to store data that can be accessed and manipulated by a program.

In Java, variables are declared with a specific data type, such as int, double, or String, which specifies the type of data that can be stored in the variable.

Links: https://www.youtube.com/watch?v=so1iUWaLmKA

2 - **conditional statements**: In programming, conditional statements are used to perform different actions based on whether a certain condition is true or false. The most common conditional statements in Java are the "if" statement, the "if-else" statement, and the "switch" statement.

A – If condition statement Link: https://www.youtube.com/watch?v=MY03bt_0JQI

B – Switch condition statement link: https://www.youtube.com/watch?v=Om3qzMoaIUo


3 – **Loops**: In programming, loops are used to execute a block of code repeatedly, either a fixed number of times or until a certain condition is met. There are two main types of loops in Java: "for" loops and "while" loops.

A – For loop statement link: https://www.youtube.com/watch?v=Rn16ugyorX0

B – While loop statement link: https://www.youtube.com/watch?v=t6gmQaTMTtM

C – Do While loop statement link:

https://www.youtube.com/watch?v=2E-UgePiOoo

4 – Functions or Methods: In programming, functions and methods are used to group a set of statements together that perform a specific task, and can be called from different parts of the program. They help to make the code more modular, easier to read, and easier to maintain.

Link: https://www.youtube.com/watch?v=v5p_SUfi710