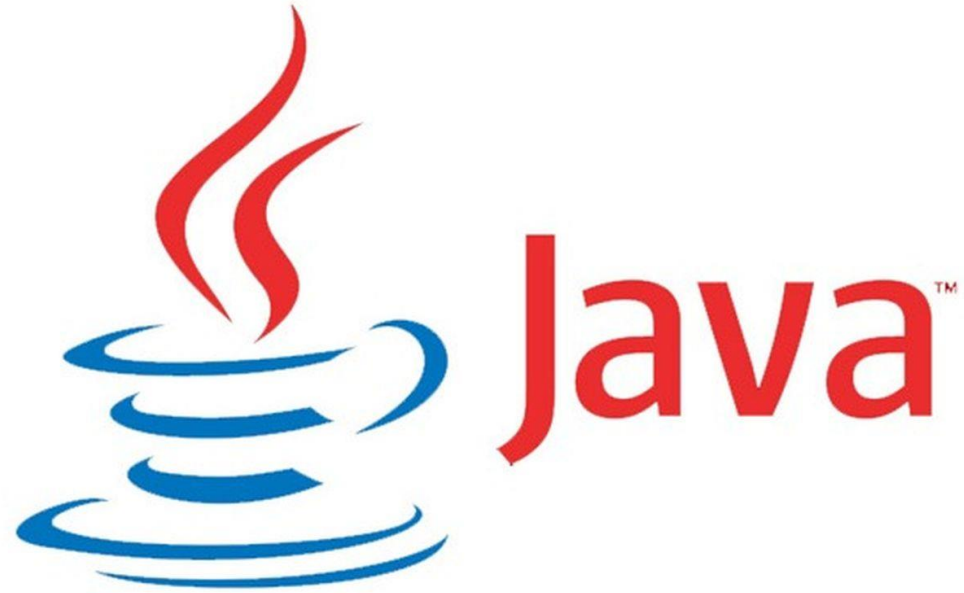# 1.1 Taste

Online Java Compiler

- https://www.tutorialspoint.com/compile_java_online.php

Homework 1.1

1.   Watch the first 5 videos.

https://www.youtube.com/watch?v=WcDTKIIFKl8&list=PLmpmyPywZ443PFI8YF3ZMmoEcRfxXckdH&index=1

2. Write a program with the input and output as specified below.

- File name : HW11
- Input : None
- Output:

  Let me show you how to swap two numbers, X and Y.
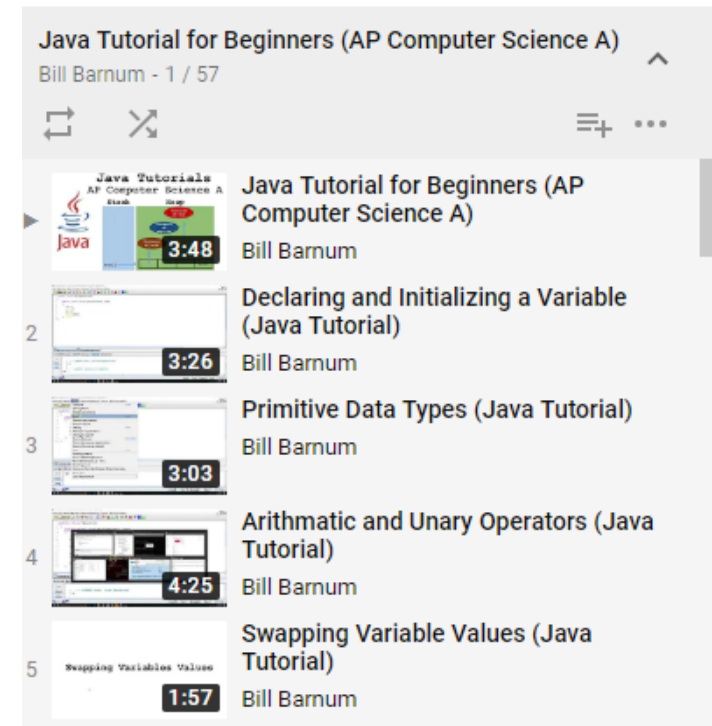
  X=10, Y=20, Temp=0

   1. Assign X to Temp

     X=10, Y=20, Temp=10

   2. Assign Y to X

     X=20, Y=20, Temp=10

   3. Assign Temp to Y

     X=20, Y=10, Temp=10

Java JDK

1.   Install Java SE Development Kit 12.0.2

https://www.oracle.com/technetwork/java/javase/downloads/jdk12-downloads-5295953.html

Installation Youtube Videos

   1.1 Windows :https://www.youtube.com/watch?v=uadGsNA6h5Q

        If you have a java path, delete it and add a new Java path

   1.2 iOS:https://www.youtube.com/watch?v=y6szNJ4rMZ0

2.   Open editor and write hello.java and save it. Make sure file name should be the same as class name "Hello"

```
public class Hello {
    public static void main(String[] args) {
    System.out.println("Hello, World");
    }
}
```

3.   Open Command window, compile "javac Hello.java" and run "java Hello"

IDE Eclipse

1. Install Eclipse IDE with installer

 Windows: https://www.youtube.com/watch?v=VoHYAne9Pa4

 iOS:https://www.youtube.com/watch?v=gufMbpxzfWw

 1B. If you have an error, do plan B => Download Eclipse IDE for Java Developers

https://www.eclipse.org/downloads/packages/release/2019-06/r/eclipse-ide-java-developers

   Unzip IDE Eclipse => go to eclipse/bin => run eclipse

(Optional) Java and Opencv

- Install Opencv
- https://opencv-java-tutorials.readthedocs.io/en/latest/
- Write/Run HelloCV

https://opencv-java-tutorials.readthedocs.io/en/latest/02-first-java-application-with-opencv.html#a-java-application-with-opencv

Youtube account for HW/Projects and Business

- Make an account and channel on Youtube.com
  https://www.youtube.com/watch?v=b38ef8n1p4U
- Create a Playlist "AP Commuter Science A tutorial + MyName"
- Write a homework program, HW11
- Make a video explaining your HW program with your voice.
  Windows :https://www.youtube.com/watch?v=CflfFDlABao
  iOS : https://www.youtube.com/watch?v=JjeOdt4zT8Q
- Use filenames such as "HW11, HW12,….."