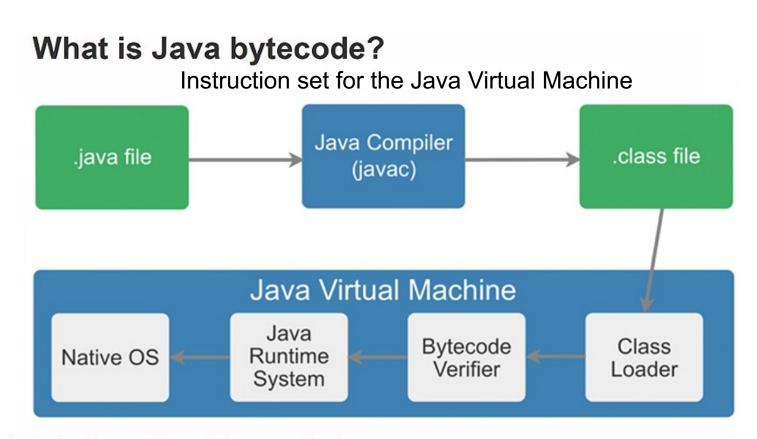
### CS 234

Review – Compiling and running



Source: http://www.techlila.com/write-programs-linux/

- javac filename [options]
  - javac Hello.java
- Output files
  - java Hello

```
eduardo@asuslap:/mnt/DATOS/DATOS/MEGA_SYNC/ENMU/CS234/Java Projects/Project0$ {
    Hello.java*
    eduardo@asuslap:/mnt/DATOS/DATOS/MEGA_SYNC/ENMU/CS234/Java Projects/Project0$ ca
    t Hello.java
    public class Hello{
        public static void main(String[] args) {
            System.out.println("Hello Java!");
        }
}
```

```
Hello.class Hello.java
```

eduardo@asuslap:/mnt/DATOS/DATOS/MEGA\_SYNC/ENMU/CS234/Java Projects/Project0\$ ja va Hello Hello Java!

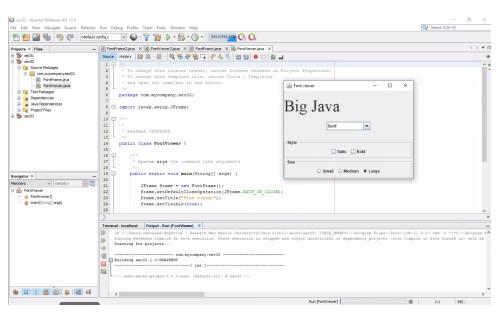
```
class Helper{
        public Helper()
            System.out.println("Inside Helper");
public class Hello2{
    public static void main(String[] args) {
        System.out.println("Hello Java!");
        Helper helper = new Helper();
```

```
eduardo@asuslap:/mnt/DATOS/DATOS/MEGA_SYNC/ENMU/CS234/Java Projects/Project0$ ja
vac Hello2.java
eduardo@asuslap:/mnt/DATOS/DATOS/MEGA_SYNC/ENMU/CS234/Java Projects/Project0$ ls
Hello2.class Hello2.java Helper.class
eduardo@asuslap:/mnt/DATOS/DATOS/MEGA_SYNC/ENMU/CS234/Java Projects/Project0$ ja
va Hello2
Hello Java
Inside Helper
```

# Integrated Development Environment (IDE)

Set of tools to write, debug, and test your code in a single environment

- Eclipse
- NetBeans
- •IntelliJ IDEA
- BlueJ
- JDeveloper
- MyEclipse
- Greenfoot
- •jGRASP
- jCreator
- DrJava



#### Online IDE

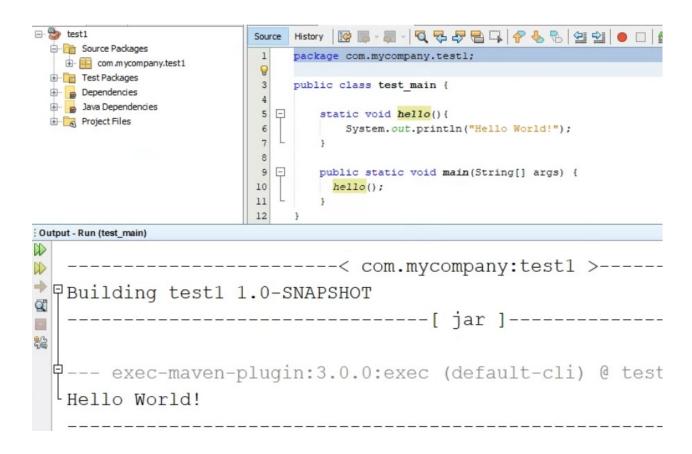
https://www.onlinegdb.com

```
H Save {}Beautify
                             OnlineGDB beta
                            Main.java
online compiler and debugger for c/c++
                              9 public class Main
                              10 - {
    Welcome, laloceh
                                      public static void main(String[] args) {
   IF-MultipleAlternatives
                                                 diaitName;
    Create New Project
                                          int digit = 9;
       My Projects
     Classroom new
                                          if (digit == 1) { digitName = "one"; }
                                          else if (digit == 2) { digitName = "two"; }
    Learn Programming
                                          else if (digit == 3) { digitName = "three"; }
  Programming Questions
                                          else if (digit == 4) { digitName = "four"; }
        Logout
                                          else if (digit == 5) { digitName = "five"; }
                                          else if (digit == 6) { digitName = "six"; }
                                          else if (digit == 7) { digitName = "seven"; }
                                          else if (digit == 8) { digitName = "eight"; }
                                          else if (digit == 9) { digitName = "nine"; }
                                          else { diaitName = "": }
                                          System.out.println("The digit is: "+ digitName);
                             29 }
                                                                                           input
                            V /
                            Command line arguments:
                            Standard Input: O Interactive Console
```

Be careful when using an IDE and later submitting your .java files.

I will run ALL your java files using command line interface.

I won't be using the same editor as you.



```
01/09/2022
                       <DIR>
01/09/2022 09:37 AM
                    216 test main.java
              1 File(s) 216 bytes
              2 Dir(s) 156,011,319,296 bytes free
C:\Users\cehvaree\Documents\NetBeansProjects\test1\src\main\java\com\mycompany\test
1>javac test main.java
C:\Users\cehvaree\Documents\NetBeansProjects\test1\src\main\java\com\mycompany\test
1>java test main
Error: Could not find or load main class test main
Caused by: java.lang.NoClassDefFoundError: com/mycompany/test1/test main (wrong nam
e: test main)
```

```
1>javac test_main_2.java
C:\Users\cehvaree\Documents\NetBeansProj
1>java test_main_2
Hello World!
```

## Tips to test your code

- 1. Copy your .java files to a <u>different location</u>
- 2. Compile your .java files using the command *javac*
- 3. Execute your program using the command java