ASSIGNMENT 1 > OOPJ > Day 1

First Program in Java 🡪 “ hello world “

1 create a folder for java program 🡪 New folder

2 create a new java file as 🡪 Demo.java

Generally file name is same as class in java program .

class Demo{

    public static void main(String[] args) {

        System.out.println("hello world !");

}

}

OUTPUT

1 Go to file click on right and open new terminal

2 In new terminal use 🡪 javac Demo.java

3 It will generate .class file

4 To execute the file use java demo

5 It will give output 🡪 “ hello world !”

OUTPUT

PS D:\OOPJ\Day 1> javac Demo.java

PS D:\OOPJ\Day 1> java Demo

hello world !

PS D:\OOPJ\Day 1>

* To compile code using Javac -verbose Demo.java

PS D:\OOPJ\Day 1> javac -verbose Demo.java

[parsing started RegularFileObject[Demo.java]]

[parsing completed 16ms]

[search path for source files: .]

[search path for class files: C:\Program Files\Java\jdk-1.8\jre\lib\resources.jar,C:\Program Files\Java\jdk-1.8\jre\lib\rt.jar,C:\Program Files\Java\jdk-1.8\jre\lib\jsse.jar,C:\Program Files\Java\jdk-1.8\jre\lib\jce.jar,C:\Program Files\Java\jdk-1.8\jre\lib\charsets.jar,C:\Program Files\Java\jdk-1.8\jre\lib\jfr.jar,C:\Program Files\Java\jdk-1.8\jre\classes,C:\Program Files\Java\jdk-1.8\jre\lib\ext\access-bridge-64.jar,C:\Program Files\Java\jdk-1.8\jre\lib\ext\cldrdata.jar,C:\Program Files\Java\jdk-1.8\jre\lib\ext\dnsns.jar,C:\Program Files\Java\jdk-1.8\jre\lib\ext\jaccess.jar,C:\Program Files\Java\jdk-1.8\jre\lib\ext\jfxrt.jar,C:\Program Files\Java\jdk-1.8\jre\lib\ext\localedata.jar,C:\Program Files\Java\jdk-1.8\jre\lib\ext\nashorn.jar,C:\Program Files\Java\jdk-1.8\jre\lib\ext\sunec.jar,C:\Program Files\Java\jdk-1.8\jre\lib\ext\sunjce\_provider.jar,C:\Program Files\Java\jdk-1.8\jre\lib\ext\sunmscapi.jar,C:\Program Files\Java\jdk-1.8\jre\lib\ext\sunpkcs11.jar,C:\Program Files\Java\jdk-1.8\jre\lib\ext\zipfs.jar,.]

[loading ZipFileIndexFileObject[C:\Program Files\Java\jdk-1.8\lib\ct.sym(META-INF/sym/rt.jar/java/lang/Object.class)]]

[loading ZipFileIndexFileObject[C:\Program Files\Java\jdk-1.8\lib\ct.sym(META-INF/sym/rt.jar/java/lang/String.class)]]

[checking Demo]

[loading ZipFileIndexFileObject[C:\Program Files\Java\jdk-1.8\lib\ct.sym(META-INF/sym/rt.jar/java/io/Serializable.class)]]

[loading ZipFileIndexFileObject[C:\Program Files\Java\jdk-1.8\lib\ct.sym(META-INF/sym/rt.jar/java/lang/AutoCloseable.class)]]

[loading ZipFileIndexFileObject[C:\Program Files\Java\jdk-1.8\lib\ct.sym(META-INF/sym/rt.jar/java/lang/Byte.class)]]

[loading ZipFileIndexFileObject[C:\Program Files\Java\jdk-1.8\lib\ct.sym(META-INF/sym/rt.jar/java/lang/Character.class)]]

[loading ZipFileIndexFileObject[C:\Program Files\Java\jdk-1.8\lib\ct.sym(META-INF/sym/rt.jar/java/lang/Short.class)]]

[loading ZipFileIndexFileObject[C:\Program Files\Java\jdk-1.8\lib\ct.sym(META-INF/sym/rt.jar/java/lang/Long.class)]]

[loading ZipFileIndexFileObject[C:\Program Files\Java\jdk-1.8\lib\ct.sym(META-INF/sym/rt.jar/java/lang/Float.class)]]

[loading ZipFileIndexFileObject[C:\Program Files\Java\jdk-1.8\lib\ct.sym(META-INF/sym/rt.jar/java/lang/Integer.class)]]

[loading ZipFileIndexFileObject[C:\Program Files\Java\jdk-1.8\lib\ct.sym(META-INF/sym/rt.jar/java/lang/Double.class)]]

[loading ZipFileIndexFileObject[C:\Program Files\Java\jdk-1.8\lib\ct.sym(META-INF/sym/rt.jar/java/lang/Boolean.class)]]

[loading ZipFileIndexFileObject[C:\Program Files\Java\jdk-1.8\lib\ct.sym(META-INF/sym/rt.jar/java/lang/Void.class)]]

[loading ZipFileIndexFileObject[C:\Program Files\Java\jdk-1.8\lib\ct.sym(META-INF/sym/rt.jar/java/lang/System.class)]]

[loading ZipFileIndexFileObject[C:\Program Files\Java\jdk-1.8\lib\ct.sym(META-INF/sym/rt.jar/java/io/PrintStream.class)]]

[loading ZipFileIndexFileObject[C:\Program Files\Java\jdk-1.8\lib\ct.sym(META-INF/sym/rt.jar/java/lang/Appendable.class)]]

[loading ZipFileIndexFileObject[C:\Program Files\Java\jdk-1.8\lib\ct.sym(META-INF/sym/rt.jar/java/io/Closeable.class)]]

[loading ZipFileIndexFileObject[C:\Program Files\Java\jdk-1.8\lib\ct.sym(META-INF/sym/rt.jar/java/io/FilterOutputStream.class)]]

[loading ZipFileIndexFileObject[C:\Program Files\Java\jdk-1.8\lib\ct.sym(META-INF/sym/rt.jar/java/io/OutputStream.class)]]

[loading ZipFileIndexFileObject[C:\Program Files\Java\jdk-1.8\lib\ct.sym(META-INF/sym/rt.jar/java/io/Flushable.class)]]

[loading ZipFileIndexFileObject[C:\Program Files\Java\jdk-1.8\lib\ct.sym(META-INF/sym/rt.jar/java/lang/Comparable.class)]]

[loading ZipFileIndexFileObject[C:\Program Files\Java\jdk-1.8\lib\ct.sym(META-INF/sym/rt.jar/java/lang/CharSequence.class)]]

[wrote RegularFileObject[Demo.class]]

[total 697ms]

PS D:\OOPJ\Day 1> java Demo

hello world !

* By using Javap -c demo to

PS D:\OOPJ\Day 1> javap -c Demo

Compiled from "Demo.java"

class Demo {

Demo();

Code:

0: aload\_0

1: invokespecial #1 // Method java/lang/Object."<init>":()V

4: return

public static void main(java.lang.String[]);

Code:

0: getstatic #2 // Field java/lang/System.out:Ljava/io/PrintStream;

3: ldc #3 // String hello world !

5: invokevirtual #4 // Method java/io/PrintStream.println:(Ljava/lang/String;)V

8: return

}

PS D:\OOPJ\Day 1>