Hello World Program

You need the following 2 software to create your first Java Program

1. **The Java SE Development Kit**

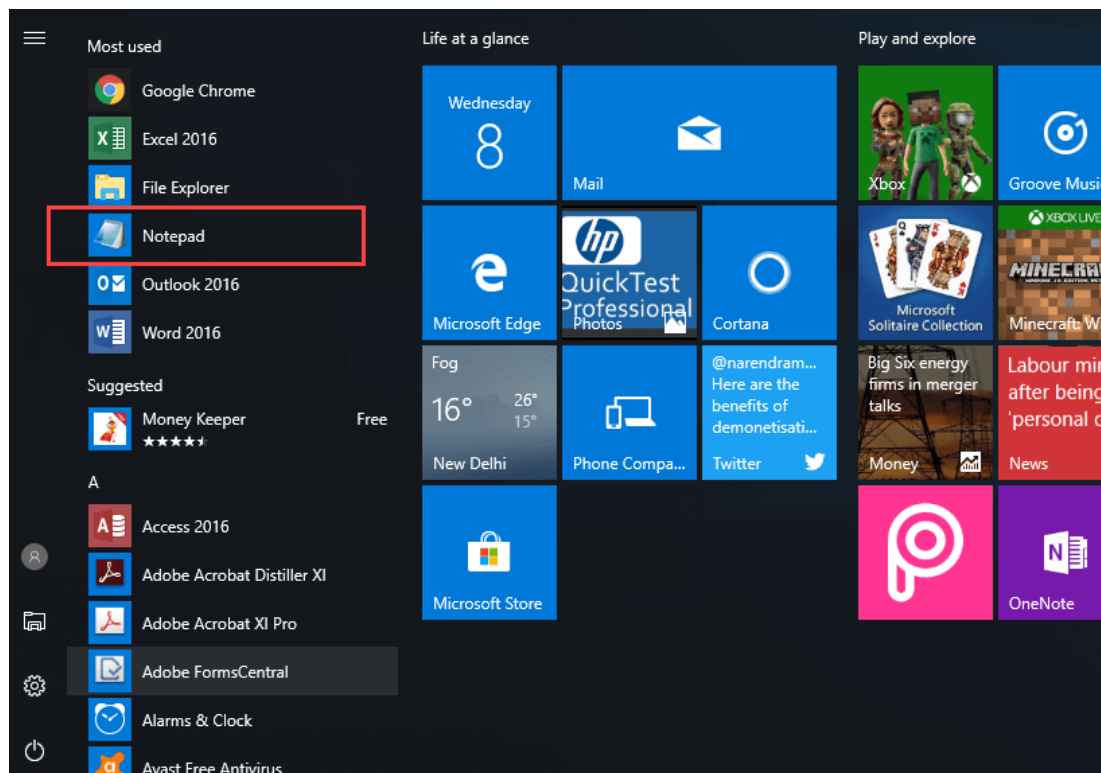Here is additional tutorial: <u>download and install JDK</u>

2. **A Text Editor**

In this Java Hello World example, we'll use Notepad. It is a simple editor included with the Windows Operating System. You can use a different text editor like NotePad++ or use <u>online java compiler</u>.
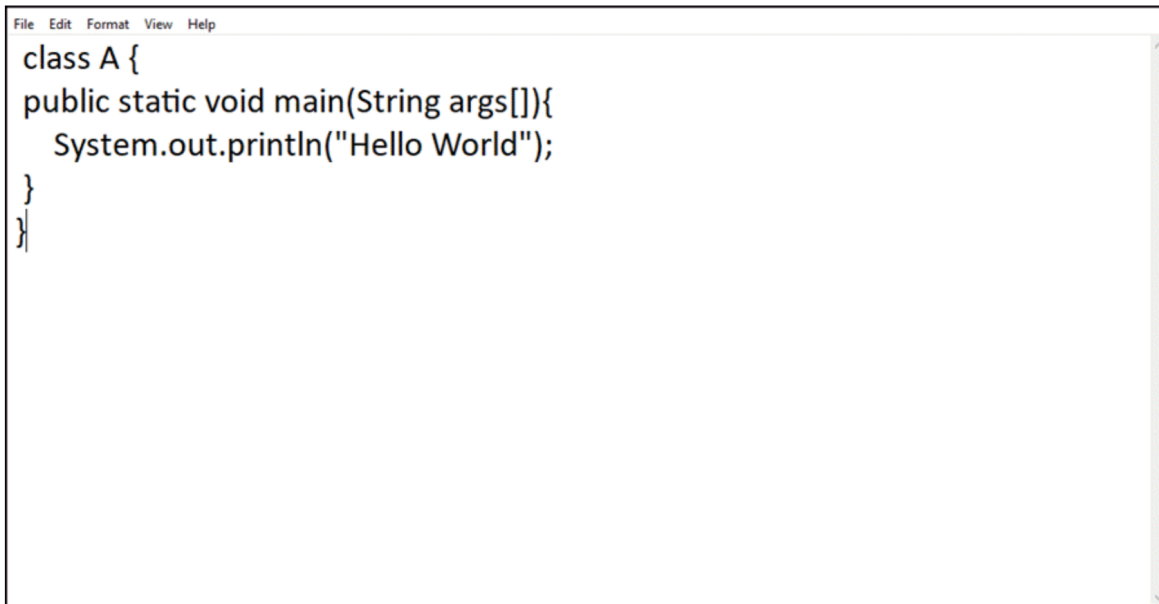
Steps to Compile and Run first Java program

Here is a step-by-step process on how to run Java program:

Step 1) Open Notepad from Start menu by selecting Programs > Accessories > Notepad.

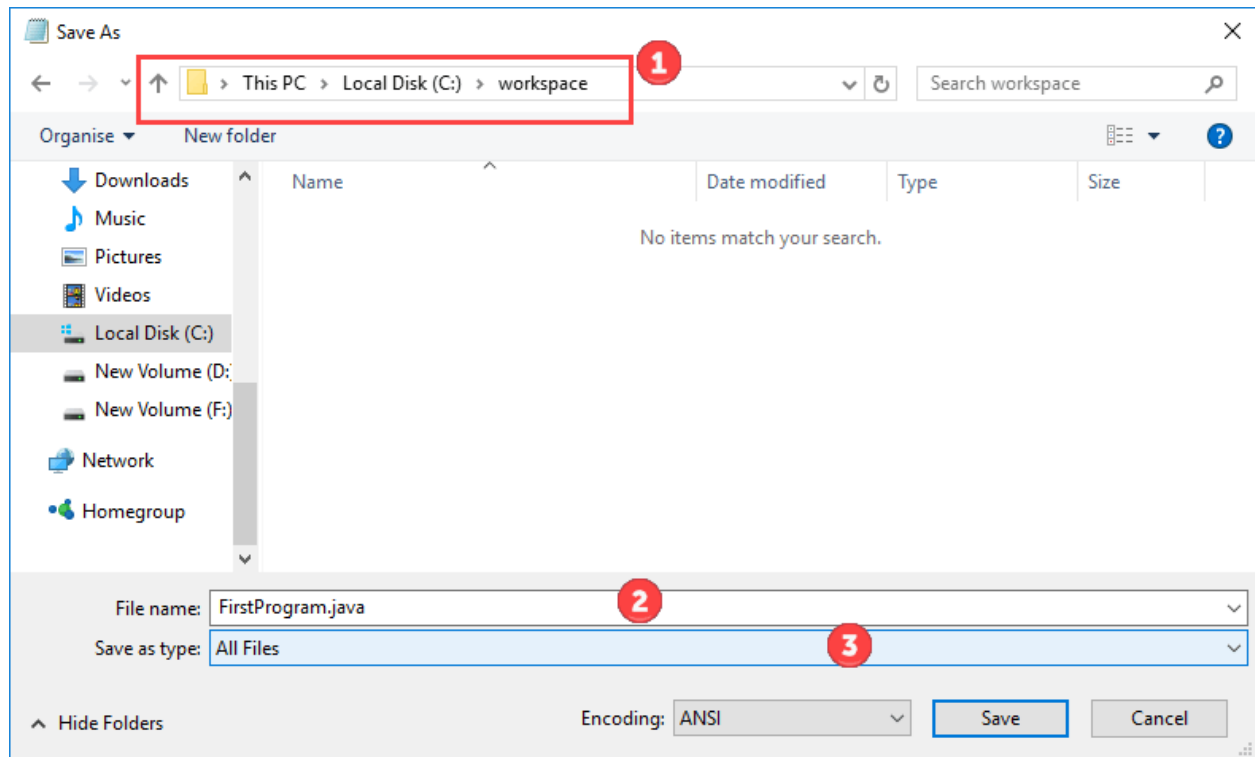**Step 2)** Create a Source Code for your Hello World program in Java

- Declare a class with name A.
- Declare the main method **public static void main(String args[]){**
- Now Type the **System.out.println("Hello World");** which will print Hello World in Java.

File Edit Format View Help

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

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

Step 3) Save the file for Java Hello World program as **FirstProgram.java** make sure to select file type as all files while saving the file in our working folder **C:\workspace**

Step 4) Open the command prompt. Go to Directory **C:\workspace**. Compile the code of your Hello world Java program using command,

javac FirstProgram.java

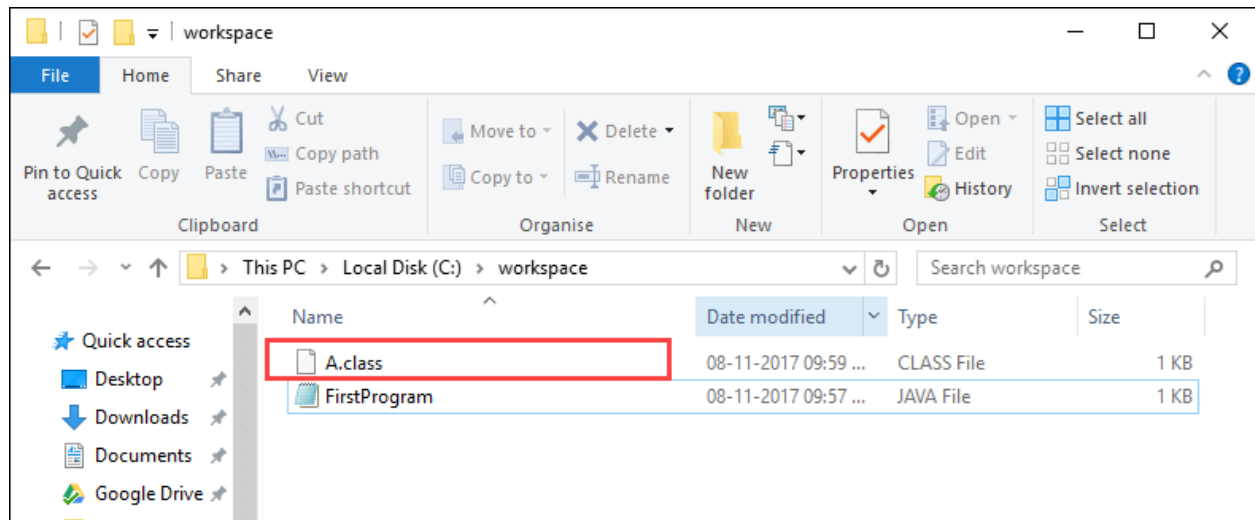**Step 5)** If you look in your working folder, you can see that a file named **A.class** has been created.

Step 6) To execute the code, enter the command java followed by the class name, as expected output **Hello World** is displayed now.

java A

Note: Java is case sensitive Programming language. All code, commands, and file names should is used in consistent casing. **FirstProgram** is not same as **firstprogram.**

Program Structure

```
class CLASSNAME {
    public static void main(String[] arguments) {

        STATEMENTS

}}
```

Output

System.out.println(*some String*) outputs to the console

Example: System.out.println("output");

Second Program

```java
class Hello {
    public static void main(String[] arguments) {

    System.out.println("Hello world again."); }

}
```

Third Program

```java
class Hello2 {
    public static void main(String[] arguments) {

        System.out.println("Hello world.");

        System.out.println("Line number 2"); }

}
```