Example :
```
//prg1.java
class Sample
{
}
```

Before compile and execute the program then we need to switch to command prompt and ensure path and class path settings by using the following commands

>echo %path%
   - To Ensure path Settings

>echo %classpath%
   - To Ensure class path settings

What is Path and Class path Settings

- Path is an operating System environment variable, it is used by the operating system for search for java related commands
   - Syn: >set path=path of java bin;.;
   - Eg: >set path=c:\Jdk-10\bin;.;

➢ **Steps for Permanent Path Settings**
  o Open Window Explorer
  o Click Right mouse Button
  o Click on Properties
  o Click on Advance System Settings
  o Click on Environment Variable
  o Click On New
  o Type "Path" as variable name
  o Type "c:\JDK-10\bin;.; " as variable value
  o Click on Ok

➢ Class path is java environment variable , it is used by java compiler search for .class files.it is mostly recommend to set whenever you want execute the files existing other than the current directory

  o Syn: > set classpath=Path for .class files;.;
  o Eg: > set classpath=e:\java_online5;.;

➢ Javac
  o Syn: >javac   programname.java
  o Eg: >javac   prg1.java

➢ During compiling the java programs java compiler will create .class files for the classes existed in the java program

Java
 Syn: >java   <Nameof.classfile>
 Eg: >java   Sample

   It is used to execute the java program , by the time execution first JVM will search for the existence of the specified .class file in the current directory, if it is not existed then it will

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search for .class file in the specified class path.If the Specified .Class file is Existed then it will start execution of the program by searching "valid signature of main( ) "

 "public static void main(String args[ ])"