

D public Static void main (Shing [Jarp)

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## Saving a Java program

Before we can compile a Java program we must save it and following are important point we must remember while saving the code

- 1. The extension of the file must compulsorily be .java
- 2. The name of the program preferebly must be same as name of the class

In our case it will be **Test.java** 

To compile a Java program we use the following command

javac <name of the program>

For example:

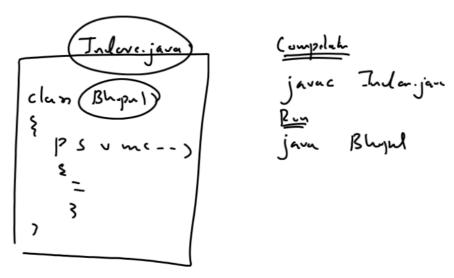
javac Test.java

## Important points to remember about Java compiler

- 1. Just like compiler of any other language, the Java compiler also 1st of all checks syntaxes of our program and if the code contains even a single syntax error then compilation stops and error message is displayed on the screen
- 2. If no syntax errors are there then the Java compiler converts our program into **BYTE CODE** and following are 3 important points about Byte Code
  - a) The byte code is saved in seprate file having the extension .class
- b) Number of byte code files generated is <u>same as</u> number of classes defined by the programmer
- c) The names of byte code files are always same as the names of classes defined by the programmer. For example if we have defined 3 classes in our program called Student, Faculty and College then the Java compiler will generate 3 byte code files by the name of **Student.class**, **Faculty.class** and **College.class**

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To run a Java program we use the	command <b>java with the</b>
following syntax	

java <name of the main class>

For ex:

java Test

Your next class will be on 18th August (Thursday) at the same time 7:45 pm