



- ① `public static void main (String [] args)`
- ② `static public void main (String [] args)`
- ③ `public static void main (String args[])`
- ④ `static public void main (String args[])`

Saving a Java program

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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 preferably must be same as name of the class

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

javac Name of the program

javac 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

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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 separate file having the extension **.class**
- b) Number of byte code files generated is **same as** 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**

Running a Java program

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java Name of class having main

java Main-class

java Test

Bhupal.java

```

class Bhupal
{
    p s u m (---)
    {
        =
    }
}

```

Compilation

javac Bhupal.java

Run

java Bhupal

Indev.java

```

class Bhupal
{
    p s u m (---)
    {
        =
    }
}

```

Compilation

javac Indev.java

Run

java Bhupal

To run a Java program we use the command **java with the 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**