

# Java Program

Topics : [JAVA](#)

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First create `simpledemo.java` file.

Let's write below code into `simpledemo.java` file. Class name should be filename.

```
public class simpledemo {  
    public static void main(String[] args) {  
        System.out.println("welcome to java tutorials!");  
    }  
}
```

Compile above code using below command.

**`javac simpledemo.java`**

Execute code using below command.

**`java simpledemo`**

It generates below output.

**Output:**

```
welcome to java tutorials!
```

When we compile Java program using `javac` tool, the Java compiler converts the source code (`simpledemo.java`) into byte code ( `simpledemo.class`).

## public keyword in Java Program

`public` keyword is an access modifier. we can access public properties anywhere java program. A class contains main method should be public.

## class in Java Program

`class` keyword is used to declare a class in Java.

## **main method in Java Program**

main represents the entry point for executing a Java program.

## **static in Java Program**

if method is static, then we don't need to create object to access static method. The main() method is executed by the JVM, so it doesn't require creating an object to invoke the main() method. So, it saves memory.

## **void in Java Program**

void is the return type of the method. It means it doesn't return any value.

## **String[] args or String args[] in Java Program**

String[] args or String args[] is used for command line argument. We can pass array string argument in main method using command prompt.

## **System.out.println() in Java Program**

System.out.println() is used to print statement. System is a class, out is an object of the PrintStream class, println() is a method of the PrintStream class.

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