

## HelloWorld program in Java

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

### Class Declaration:

```
public class HelloWorld {
```

- **public**: An access modifier that allows the class to be accessible from anywhere.
- **class**: A keyword used to declare a class.
- **HelloWorld**: The name of the class. In Java, the class name should match the filename.

### Main Method:

```
public static void main(String[] args) {
```

- **public**: An access modifier that allows the method to be accessible from anywhere.
- **static**: A keyword indicating that the method belongs to the class, not instances of the class.
- **void**: The return type of the method, indicating that it does not return any value.
- **main**: The name of the method. It is the entry point of any Java program.
- **String[] args**: The parameter for the main method. It is an array of strings that stores command-line arguments.

### Print Statement:

```
System.out.println("Hello, World!");
```

- **System**: A predefined class that provides access to the system.
- **out**: A static member of the **System** class, representing the standard output stream (usually the console).
- **println**: A method of the **PrintStream** class that prints a line of text to the console.
- **"Hello, World!"**: The string to be printed.