

1. Write a program [TenHelloWorlds.java](#) that prints "Hello, World" ten times.

```
public class HelloWorld {  
    public static void main(String[] args) {  
        for(int x = 0; x < 10; x++){  
            System.out.println("Hello, World");  
        }  
    }  
}
```

2. Describe what happens if, in `HelloWorld.java`, you omit

1. `public`

Throws a runtime error

2. `static`

Throws a runtime error; the method is not static, should be defined as static

3. `void`

Throws a compilation error, return type required

4. `args`

Throws a compilation error, <identifier> expected

3. Describe what happens if, in `HelloWorld.java`, you misspell (by, say, omitting the second letter)

1. `public`

Error: Main method not found in class com.tiempo.activities.HelloWorld, please define the main method as: `public static void main(String[] args)`

2. `static`

Error: Main method not found in class com.tiempo.activities.HelloWorld, please define the main method as: `public static void main(String[] args)`

3. `void`

`java.lang.NoClassDefFoundError: vid`

4. args

Run Correctly

4. Describe what happens if you try to execute [Hi.java](#) with:

1. `java Hi`

Hi, Exception in thread "main" java.lang.ArrayIndexOutOfBoundsException: 0

2. `java Hi @!&^%`

Hi, @!&^%. How are you?

3. `java Hi 1234`

Hi, 1234. How are you?

4. `java Hi.class Bob`

Runtime error: Could not find or load main class Hi.class

5. `java Hi.java Bob`

Runtime error: Could not find or load main class Hi.java

6. `java Hi Alice Bob`

Hi, Alice. How are you?

5. Modify [UseArgument.java](#) to make a program [UseThree.java](#) that takes three names and prints out a proper sentence with the names in the reverse of the order given, so that for example, "`java UseThree Alice Bob Carol`" gives "Hi Carol, Bob, and Alice.".

```
6. public class UseThree {
7.
8.     public static void main(String[] args) {
9.         System.out.print("Hi, ");
```

```

10.         System.out.print(args[2]);
11.         System.out.print(", ");
12.         System.out.print(args[1]);
13.         System.out.print(", and ");
14.         System.out.print(args[0]);
15.         System.out.println(".");
16.     }
17.
18. }

```

1. Write a program [Initials.java](#) that prints your initials using nine rows of asterisks like the one below.

```

**          ***  *****  **          *          **
**          ***  **        **      **          ***  **
**          ***  **        **      **          **  **          **
**  ***      **        **      **          **  **          **
*****      **        **      **          **  **          **
**  ***      **        **      **          **  **          **
**          ***  **        **      **          **  **          **
**          ***  **        **      **          **  **          **
**          ***  **        **      **          **  **          **

```

```

public class Initials {
    public static void main(String[] args) {
        System.out.println("*****  *****  ***  ***");
        System.out.println("*****  *****  ***  ***");
        System.out.println("***      ***  ***  ***");
        System.out.println("*****  ***  *****");
        System.out.println("*****  ***  *****");
        System.out.println("***      ***  ***  ***");
        System.out.println("***      ***  ***  ***");
        System.out.println("*****  *****  ***  ***");
        System.out.println("*****  *****  ***  ***");
    }
}

```

2. Describe what happens if, in `HelloWorld.java`, you omit

1. `main`

Compilation Error: Main method not found in class com.tiempo.activities.HelloWorld

2. `String`

Compilation Error: Main method not found in class com.tiempo.activities.HelloWorld

3. `HelloWorld`

Compilation Error: Could not find or load main class com.tiempo.activities.HelloWorld

4. `System.out`

Compilation Error: java.lang.Error: The method println(String) is undefined for the type HelloWorld

5. `println`

Compilation Error: java.lang.Error: The method out(String) is undefined for the type System

3. Describe what happens if, in `HelloWorld.java`, you omit

1. the `;`

Compilation Error: java.lang.Error: Syntax error, insert ";" to complete BlockStatements

2. the first `"`

Compilation Error: java.lang.Error: String literal is not properly closed by a double-quote

3. the second `"`

Compilation Error: java.lang.Error: String literal is not properly closed by a double-quote

4. the first `{`

Compilation Error: java.lang.Error: Syntax error on token ")", { expected after this token

5. the second `{`

Compilation Error: java.lang.Error: Syntax error, insert "}" to complete ClassBody

6. the first `}`

**Compilation Error: java.lang.Error: at
com.tiempo.activities.HelloWorld.main(HelloWorld.java:4)**

7. the second `}`

Compilation Error: java.lang.Error: Syntax error, insert "}" to complete ClassBody

4. Describe what happens if, in `HelloWorld.java`, you misspell (by, say, omitting the second letter)

1. `Main`

Error: Main method not found in class com.tiempo.activities.HelloWorld, please define the main method as: public static void main(String[] args)

2. String

java.lang.NoClassDefFoundError: [Sting;

3. HelloWorld

Error: Could not find or load main class com.tiempo.activities.HelloWorld

4. System.out

Error: Main method not found in class com.tiempo.activities.HelloWorld, please define the main method as: public static void main(String[] args)

5. println

Error: Main method not found in class com.tiempo.activities.HelloWorld, please define the main method as: public static void main(String[] args)

5. I typed in the following program. It compiles fine, but when I execute it, I get the error
java.lang.NoSuchMethodError: main. What am I doing wrong?

Missing String args[]

