Exercises 1.1

1.1.1 Write a program that prints the Hello, World message 10 times.

```java
public class HelloWorldx10
{
    public static void main(String[] args)
    {
        for (int i=0; i <10; i++){
        //Prints "Hello, World" in the terminal window 10 times.
            System.out.println("Hello, World");
        }
    }
}
```

1.1.2 Describe what happens if you omit the following in HelloWorld.java:

a. public

Main method cannot be found.

b. static

Main method is not static.

c. void

Invalid method declaration; return type required. Does not compile.

d. args

<identifier> expected. Does not compile.

1.1.3 Describe what happens if you misspell (by, say, omitting the second letter) the following in HelloWorld.java:

a. public

<identifier> expected. Does not compile.

b. static

<identifier> expected. Does not compile.

c. void

cannot find symbol. Does not compile.

d. args

It seems to work fine as long as there is an alphabetic character.

1.1.4 Describe what happens if you put the double quotes in the print statement of HelloWorld.java on different lines, as in this code fragment: System.out.println("Hello,
                                                            World");

Unclosed string literal error. Does not compile.

1.1.5 Describe what happens if you try to execute UseArgument with each of the following command lines:
a. java UseArgument java

Hi, java. How are you?

b. java UseArgument @!&^%

Error: !: event not found

c. java UseArgument 1234

Hi, 1234. How are you?

d. java UseArgument.java Bob

Hi, Bob. How are you?

e. java UseArgument Alice Bob

Hi, Alice. How are you?

1.1.6 Modify UseArgument.java to make a program UseThree.java that takes three names as command-line arguments and prints a proper sentence with the names in the reverse of the order given, so that, for for example, java UseThree Alice Bob Carol prints Hi Carol, Bob, and Alice.

```java
public class UseThree
{
    public static void main(String[] args)
    {
        //Accepts 3 command-line arguments typed after the program name
        //and prints it to the terminal window as part of the message.
      System.out.print("Hi, ");
      System.out.print(args[2]);
      System.out.print(", ");
      System.out.print(args[1]);
      System.out.print(", and ");
      System.out.print(args[0]);
      System.out.println(".");
    }
}
```