The First Program: HelloWorld

Start a new project named HelloWorld. Your Java program should look like this:

```java
/**
   * Today's Date  Your Name  HelloWorld: My First Java Program!
   */

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

After you have successfully entered and run your HelloWorld program, try the following experiments.

1. In the Editor box, change the message “Hello World” to some other message of your choice. Run your new program. Did it work? (Be sure to recompile it!)

2. Change your program to repeat your message three times. [Hint: You know how to print the message once. You do it again the same way . . . .]

3. What if you want the program to repeat your message 10 times? The way you (probably) repeated three times would result in a very long program, and one hard to check (you have to count the lines carefully.) A better way is to use a for block. A typical for block looks like this:

   ```java
   for(int i = 0 ; i < 10 ; i++){
       (Stuff to repeat goes here -- inside the loop.)
   }
   ```

   Add a for block around the println statement that causes your message to be printed out 10 times. How would you change the loop to repeat 100 times? [Hint: Read p. 8-9 of the lecture notes. You will need to enclose your println statement in a for loop that counts 10 cycles. You may want to come back to this after the next three programs!]

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