

Last week we looked at the some fundamentals of programming and using Netbeans to develop and run programs written in Java. We briefly looked at the Java debugger too.

Before we move on, try answering the following questions:

1. What is *special* about the main method?
2. What are **int**, **double**, and **String** examples of?
3. In addition to **int**, what other whole number types does Java have?
4. Why is Java said to be a **strongly-typed language**?
5. Examine the following code example:

```
12 public class SillyExample {
13
14     public void main(String[] args) {
15         int anNumber1 = 10 + aNumber2;
16         int aNumber2 = 20;
17     }
18
19 }
20
```

NetBeans isn't happy with the code, why?

6. What does tell you about how we must declare and use of variables?
7. Let's assume that we fixed the code in (5) above, we then add the statement:

aNumber1 += 22;

What is the **+=** operator for and what is the longer way of writing this?

8. What will be the difference in output between the following two loops:

Loop #1:

```
for(int n = 0; n < 10; n++) {
    System.out.print("Hello");
    System.out.println("World");
}
```

Loop #2:

```
for(int n = 0; n < 10; n++)
    System.out.print("Hello");
    System.out.println("World");
```

Hint: Look carefully at what is present in the first loop code and not present in the second loop code.

Revisit last week's material if unsure about any question.