# Week 1 – Lab Activity Sheet

**Task 1: Programming**

Develop a new java application that prints the words “Hello World”. Upload the completed code with your completed Activity Sheet.

**Task 2: Questions**

1. Describe what happens if in HelloWorld.java you omit:
   1. Main
   2. String
   3. HellowWorld
   4. System.out
   5. Println

**Answer:**

1. <identifier> expected
2. I get the error <identifier> expected & the line where STRING is missing is printed out
3. It prints an empty line
4. println("Hello world.");
5. cannot find symbol System.out("Hello world.");

1. Describe what happens if in HelloWorld.java you omit:
   1. the ;
   2. the first “
   3. the second “
   4. the first {
   5. the second {
   6. the first }
   7. the second }

**Answer:**

1. when I try to compile the code, it tells me that the ; is missing
2. It gives me 3 separate erros, probably because it thinks hello world is a variable, obj or function.
3. It gives me 3 separate erros, probably because it thinks hello world is a variable, obj or function.
4. When I try to compile the code it tells me that { is missing and shows me where I am supposed to place it.
5. When I try to compile the code it tells me that { is missing and shows me where I am supposed to place it.
6. When I try to compile the code it tells me that } is missing and shows me where I am supposed to place it.
7. When I try to compile the code it tells me that } is missing and shows me where I am supposed to place it.
8. Describe what happens if, in HelloWorld.java you misspell (for example, omitting the second letter of the word):
   1. Main
   2. String
   3. HelloWorld
   4. System.out
   5. Println

**Answer:**

1. <identifier> expected
2. I get the error <identifier> expected & the line where STRING is missing is printed out


6. Type in the following program, save it as Hello.java. Compile it, and review any errors. Document any errors that you find and how you resolved them

public class Hello{

public static void main( ) {

System.out.println(“Doesn’t Execute”);

}

}

**Answer:**

***doestExecute.java:3: error: illegal start of type***

***public.out.println("doestn execute.") ^***

***doestExecute.java:3: error: <identifier> expected public.out.println("doestn execute.") ^***

***doestExecute.java:3: error: illegal start of type public.out.println("doestn execute.") ^***

***3 errors***

**Task 3: Debugging (finding errors)**

Download the files DebugOne1.java, DebugOne2.java and DebugOne3.java from Moodle. Compile the code and resolve any errors that you encounter. Upload the working code with your completed activity sheet.

Optional Extra Task – Programming practice

Please be aware, this is not required to be completed for this lab, and does not need to be submitted. This can be attempted if you have time left at the end of the lab, and have completed **ALL** other tasks first. Use this as practice for improving you coding skills.

Develop an application that prints the timestables for your chosen number.

i.e.For the number 8 you would print:

8 times 0 is 0

8 times 1 is 8

8 times 2 is 16

8 times 3 is 24

and so on until you reach 12.

Save the file as TimesTables.java