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Week 1 – Lab Activity Sheet

1. Develop a new java application that prints the words “Hello World”. Upload the completed

code with your completed Activity Sheet.

2. Describe what happens if in HelloWorld.java you omit:

a. Main

b. String

c. HellowWorld

d. System.out

e. Println

Answer:

a. It gives an error, expecting the main in the code but not finding it.

b. It gives the same error

c. Tool completed successfully – It is just a string, with or with no output, it will work.

d. It also expects the system.out to finish the line of code properly.

e. Same, there is no function attached to the System.out. so it won’t compile correctly.

3. Describe what happens if in HelloWorld.java you omit:

a. the ;

b. the first “

c. the second “

d. the first {

e. the second {

f. the first }

g. the second }

Answer:

a. It does not compile, you need to finish each line of code with a ;

b. it does not compile, “hello world” is no longer recognised as a string.

c. The debugger knows that there is an unclosed string.

d. Does not compile, expects { to be able to define class and the rest of the code.

e. Exactly the same case, there must be a bracket enclosing the entire code in the main function.

f. “reached end of file while parsing”, it can not find the end of the code if it is not delimited properly.

g. Exactly the same mistake code.

4. Describe what happens if, in HelloWorld.java you misspell (for example, omitting the second

letter of the word):

a. Main

b. String

c. HelloWorld

d. System.out

e. Println

Answer:

a. it compiles de code properly, but when trying to run the program it will crash and declare that the “main” method was not found in the code.

b. It will no longer recognize String as a proper symbol.

c. It will print whatever message is inside the parenthesis as long as the rest of the code is written properly.

d. Displays the error message: “That package does not exist”

e. The system is unable to understand the rest of the message.

5. 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:

1. public static void main( ) { Did not include String args[] inside of the parenthesis.
2. System.out.println(“Doesn’t Execute”); The string is using the wrong symbol for quotes. Apparently when typing the symbol “” inside of textpad it behaves differently
3. Doesn’t is using the wrong symbol for ‘ it is the same case as before, it behaves differently.

6. 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