



Curriculum Development Team Training

Instructional Scenario

Title Ideas: Exploring Programming—Find the Code

Duty/Concept Area(s): 6670 81-87/Exploring Programming

Scenario: You have been hired by Programming R Us. There is a problem with the program below and no one can figure it out. Your job is to go through the code, line-by-line, to determine the function of each line and decide what is missing from the code in order to make the program work.

```
/******  
*****  
*   Compilation:  javac HelloWorld.java  
*   Execution:    java HelloWorld  
*  
*   Prints "Hello, World". By tradition, this is everyone's first  
program.  
*  
*   % java HelloWorld  
*   Hello, World  
*  
*   These 17 lines of text are comments. They are not part of the  
program;  
*   they serve to remind us about its properties. The first two lines  
tell  
*   us what to type to compile and test the program. The next line  
describes  
*   the purpose of the program. The next few lines give a sample  
execution  
*   of the program and the resulting output. We will always include  
such  
*   lines in our programs and encourage you to do the same.  
*  
*****/  
*****/  
  
public class HelloWorld {  
  
    public static void main(String[] args) {  
        // Prints "Hello, World" to the terminal window.  
                        ("Hello, World");  
    }  
  
}
```



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Solution:

```
/******  
*****  
*   Compilation:  javac HelloWorld.java  
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*   the purpose of the program. The next few lines give a sample  
execution  
*   of the program and the resulting output. We will always include  
such  
*   lines in our programs and encourage you to do the same.  
*  
*****/  
*****/  
  
public class HelloWorld {  
  
    public static void main(String[] args) {  
        // Prints "Hello, World" to the terminal window.  
        System.out.println("Hello, World");  
    }  
  
}
```

Big Question:

- How do I know what belongs in the code?
- How can I fix the incorrect code?

Focused Questions:

- How do I know which code to use?
- How do I determine what each line of code does?
- What do I do once I have cleared a line of code?

SOL Correlation:

Computer Technology C/T 9-12.1, C/T 9-12.9, C/T 9-12.12, C/T 9-12.13
English 9.5, 9.7, 9.8, 10.7, 10.8