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| **Skill 8.1 Exercise 1** | |
| Refer to the following code to evaluate whether the code in curly brackets will be executed.  int i = 10; j = 3; | |
| if(j > i){} |  |
| if(i > j){} |  |
| if((j <= i) || (j >= i)){} |  |
| if((i > j) && (j == 0)){} |  |
| If( !(!(!true))){} |  |

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| **Skill 8.2 Exercise 1** |
| Declare two int type variables a and b. Initialize them to whatever you want. Then declare an int type variable called temp, but do not initialize it. Write an if-else statement that (1) swaps the values of a and b if a is greater and (2) prints “already sorted” if a is less than b. |
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| **Skill 8.3 Exercise 1** | |
| Refer to the following code to evaluate what is printed.  int x = 79, y = 46, z = -3;  double d = 13.89, jj = 40.0;  boolean b = true, c = false; | |
| if(x == y && !(z < 0) || b && c){  System.out.println(“this is if”);  }else{  System.out.println(“this is else”);  } |  |
| if( x != y && y==z && b || !c){  System.out.println(“this is if”);  }else{  System.out.println(“this is else”);  } |  |

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| **Skill 8.4 Exercise 1** |
| The following wordGuess class has been started. Finish the class so that user will know whether or not they guessed the word correctly. Provide a different message for a correct guess and an incorrect guess. |
| public class wordGuess{  public static void main(String args[]){  String secretAnimal = “lobster”;  Scanner s = new Scanner(System.in);  System.out.println(“An 8 legged animal that lives in the sea \_ \_ \_ \_ \_ \_ \_ “);  String guess = s.nextLine();  } |

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| **Skill 8.5 Exercise 1** |
| Consider the following variables. Then write code that will print the appropriate message depending on the time of day. (Assume the time of day is an integer value)  String s1 = “Time to wake up”;  String s2 = “Time to go to school”;  String s3 = “time to go to bed”;  int time; |
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| **Skill 8.6 Exercise 1** |
| Flowcharts are a useful way to visualize algorithms. Consider the example below,  A black screen with writing on it  AI-generated content may be incorrect.  Write the algorithm above in Java. |
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| **Skill 8.7 Exercise 1** |
| Rewrite the code in **Skill 8.5 Exercise 1** without using curly brackets |
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