**Unit 2 Chapter 3 Worksheet: Find the Error Exercises**

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**Find the errors:**

1. The if and else if clauses are ended with semi-colons before they should have been.
2. The BooleanExpression is incorrect. Instead of, “if (average = 100)” it should read “if (average = = 100).
3. The blocks of statements that are to be executed in the if and else statements should be enclosed in braces.
4. There are no outputs in any of the cases within the switch statement and the values and the statement are swapped. For example:

**Original statement**

switch (score)

{

case (score > 90):

grade = ‘A’;

break;

**SHOULD READ**

switch (score)

{

case ‘A’:

System.out.println(“Your grade is greater than 90.”;

break;

1. The ! operator is not applied to the entire expression. It is only be applied to x variable. The code should read:

if (! (x > 20))

1. The statement should use the && operator instead of the | | operator because the value needs to be greater than or equal to 0 and (&&) less than or equal to 100 not or greater than or equal to 0 or (| |) less than or equal to 100

Should read:

if (count >= 0 && count <= 100)

1. The statement is asking for two outputs, count would need to be, for example -1 and (&&) 101. The | | operator should be used instead of the && operator.

Should read:

if (count < 0 | | count > 100)

1. The colon and question mark are in the wrong places. The statement should read:

z = (a < 10) ? 0 : 7;

1. The equalsIgnoreCase method should be used instead of the equals method.
2. The statement is written incorrectly. The statement is trying to use precision, but states “%.2d” instead of “%.2f”. The statement should be written as follows:

double value = 12345.678;

System.out.printf(“%.2f”, value);