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| **Skill 7.1 Exercise 1** | |
| Evaluate whether each of the following is true or false for the conditions below,  x = 11 and y = 5 | |
| (( x < 10 ) AND ( y = 6 ) |  |
| (( x < 10 ) AND ( y = 5 ) |  |
| (( x > 10 ) AND ( y ≠-3 ) |  |
| (( x < 10 ) OR ( y = 5 )) |  |
| (( x > 10 ) OR ( y = 5 )) |  |

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| **Skill 7.2 Exercise 1** | |
| Write each of the following expressions using proper java syntax | |
| (( x < 10 ) AND ( y = 6 ) |  |
| (( x < 10 ) AND ( y = 5 ) |  |
| (( x > 10 ) AND ( y ≠-3 ) |  |
| (( x < 10 ) OR ( y = 5 )) |  |
| (( x > 10 ) OR ( y = 5 )) |  |

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| **Skill 7.3 Exercise 1** | |
| Indicate what is printed | |
| System.out.println(false && false); |  |
| System.out.println(true && false); |  |
| System.out.println(false || true); |  |

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| **Skill 7.4 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; | |
| System.out.println(true && !false); |  |
| System.out.println(!b || c); |  |
| System.out.println( ( jj = = 40 ) && !false); |  |
| System.out.println( x != 3 ); |  |
| System.out.println( !(x != 3) ); |  |
| System.out.println(c || !(d > 0)); |  |
| System.out.println( !!true ); |  |

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| **Skill 7.5 Exercise 1** |
| Declare and initialize an integer a.  Declare and initialize a different integer b.  Declare a boolean c.  Initialize c to !(a = = b).  What is the value of c? True or false? |
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| **Skill 7.6 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; | |
| System.out.println( b && c || !c); |  |
| System.out.println( x == y && !(z < 0) || b && c); |  |
| System.out.println( x != y && y==z && b || !c); |  |
| System.out.println( x > y || c || b && jj%4 != 0); |  |