Consider the following code snippet.

int i = 10;

int n = i++%5;

1. What are the values of i and n after the code is executed?

* The values of i and n after the code is executed  is i is 11, and n is 1.

1. What are the final values of i and n if instead of using the postfix increment operator (i++), you use the prefix version (++i))?

* The final values of i and n is i is 10 and n is 2.

1. To invert the value of a boolean, which operator would you use?

* The operator is  "!".

1. Which operator is used to compare two values, = or == ?

* The  =  is used for assignment and == operator is used for comparison.

1. Explain the following code sample: result = someCondition ? value1 : value2;

* This code should be read as: "If someCondition is true, assign the value of value1 to result. Otherwise, assign the value of value2 to the result."