CSC 150 WEEK 3 QUIZ

NAME_____

1. Give 3 examples of hardware devices that are used for input in a computer system.

2. Give 3 examples of hardware devices that are used for output in a computer system.

3. Explain the use of the CPU device in a computer system.

4. Explain the concept of primary (central) memory in a computer system, noting especially the role that central memory plays in the functioning of the computer system.

5. Explain the concept of secondary storage in a computer system, give two examples of a secondary storage devices, and explain especially the role that secondary memory plays in the functioning of the computer system.

6. Why do people need high level programming languages?

7. Explain the concept of a *compiler*.

8. Explain the concept of a programming language *data type*.

9. Give examples of two different types of integer expressions that are so simple, they are not built out of other expressions.

10. Explain all the different ways of building an integer expression.

11. C++ has 3 operators && , || and, ! for working with boolean values. Define the meaning of these operators by filling in the following truth tables

A	B	A && B	A || B

A	$!A$

12. Write a list of statements that defines two integer variables, asks the user to enter two integer values, and prints the sum of those values. Here is a sample interaction:

```
Enter two integers: 12 3
The sum is 15.
```

13. Write a list of statements that defines an integer variable, asks the user to enter an integer value, reads in the integer, and determines whether it is divisible by 7. Here is a sample interaction:

```
Enter an integer: 17
The number 17 is not divisible by 7.
```

Here is another sample:

```
Enter an integer: 21
The number 21 is  divisible by 7.
```

14. Write a list of statements that defines a string variable, asks the user to enter a string, and then prints back the string with each letter of the string printed twice. Here is an example:

```
Enter a string: computers
ccoommppuutteerrss
```