

# Assignment 1

## Reading and Exercises

\* Read Lesson 1 (click on the Lesson 1 link, under the Course Content tab) and chapter 2, pages 28-84 from the textbook.

\* Answer the following questions:

C++ requires that variables are defined with a type. Internally however, all data is stored as 0's and 1's. Therefore, data types are included only to help the programmers keep track of the type of data they have stored in a given variable.

1. If everything inside the computer is ultimately stored as a number, how is the letter 'a' stored? (Hint: Characters are stored using a numerical encoding. One of them is the ASCII code. Using Google, for example, search for the ASCII code that corresponds to the letter 'a' . That is how 'a' is actually stored internally).

2. Convert the number 11010111 to its decimal equivalent

## C++ Program

Write a simple program that prints (to the screen) your first name on one line followed by two blank lines. Then print your last name on the next line, preceded by as many hyphens as characters in your first name.

For example, if your name is Robert Smith, the screen output would appear:

Robert

-----Smith

