

CISC 2330
Assignment 0 (30 Pts)

Topics: Computers, Programming Languages and C++ Basics:

Complete the following questions and submit your answers by the due date:

1. a) The first person credited for being the first computer programmer was Ada Augusta (T/F)
b) In ASCII Coding, every character is coded as a sequence of 8 bits (T/F)
2. a) What is a source program?
b) What is the purpose of a compiler?
3. a) Name 3 input devices
b) Name 3 output devices
4. a) Design an algorithm to convert the change given in quarters, dimes, nickels and pennies into pennies
b) Given the radius, in inches, and price of a pizza, design an algorithm to find the price of the pizza per square inch
5. Explain why you would prefer to write a program in a high level language rather than a machine language?
6. Write the program described below

Write a C++ program that displays UMHB using asterisks.

A simple look-and-feel for the application is provided below.

```
*           *   *           *   *           *   * * *
*           *   *   *       *   *   *       *   *   *
*           *   *       *   *       *       *   *   *
*           *   *       *           *   *   * * * * *
*           *   *           *       *   *       *   *   *
* * * * * * *   *           *   *           *   * * *
```