Creating Variables!

Instructions

Create a file called [INSERTDATE] [Your name] Variables.cpp. (For example, if I made a file it would be called '20150913 Jas Variables.cpp') Within that file, code all of the following assignments and number each one with comments. Print everything on a different line unless stated otherwise.

Example:

```
int main()
{
    // problem 1
    what;
    // problem 2
    dothething;
    ...
}
```

Useful information for variables

Data types

- bool: true or false
- int: whole numbers
- double: whole numbers and decimals
- float: numbers between (and including) 1 and -1.
- string : set of words
- char : a single character
- 1. Create **3** integers named a, b, and c. Set them to different values. Then print out their sum.
- 2. Create another integer named d. Make it equal to the product of a, b, and c. Then print out d.

 (Hint: to find the product, multiply all the variables together).
- 3. Create variable called average and make it equal to the average of b, c, and d.

(Hint: the average is the sum of all numbers divided by the amount of numbers—use a double. Remember to use parentheses!)

- 4. Create a string for your favorite artist and another string for your favorite song. Use the variables to print out "My favorite song is [song] by [artist]."
- 5. Ask the user for a number and divide it by 2. Print out the result. (Hint: use a double.)
- 6. Ask the user for their age. Print out their age in week. Use the following format: "Your age is in years is [years age] and your age in weeks is [age weeks]."