CSY2006 Week 1

Lab Exercises:

1. Write a program in C++ using Visual C++ (Or Visual Studio) IDE to print the greeting "Hello World" to the console.

2. Write a C++ program that prints the following lines on the console:

```
A "quoted" String is much better
if you learn the rules of escape sequences."

Also, "" represents an empty string

Don't forget to use \" to print "" on your console
Note that there are 2 blank lines in this output.
```

3. Write a program that reads a Celsius degree in double, converts it to Farenheit, and displays the result. The formula for conversion is:
   farenheit = (9/5) * Celsius + 32;
   (Note: 9/5 is 1 in C++, so you need to use 9.0/5)

4. There are three seating categories at a stadium. For a softball game, class A seats cost £15, Class B seats cost £12, and Class C seats cost £9. Write a program that asks how many tickets for each class of seats were sold, then displays the amount of income generated from ticket sales. Format your dollar amount in fixed-point notation, with two decimal places of precision, and be sure the decimal point is always displayed.

5. Write a program that asks for five test scores. The program should calculate the average test score and display it. The number displayed should be formatted in fixed-point notation, with one decimal point of precision.

6. Write a program that will convert U.S dollar amounts to Japanese yen and to euros, storing the conversion factors in the constants YEN_PER_DOLLAR and EUROS_PER_DOLLAR. Use the following exchange rates:

1 Dollar = 83.14 Yen
1 Dollar = 0.7337 Euros
Format your currency amounts in fixed-point notation, with two decimal places of precision, and be sure the decimal point is always displayed.