**Review C++ exercises**

1. Write a program to find and output the area and perimeter of a rectangle. The program should ask the user to enter the rectangle width and height, and output the area (width \* height) and perimeter (2\* width + 2 \* height).

2. Write a C++ program which asks the user to input 10 integer values, and then prints out the maximum of the 10 values. There is no need to store the values.

3. Write a program that displays a short menu such as:

Please choose an option: 1. Sunny 2. Cloudy 3. Raining 4. Exit

The program should use a switch statement to display a short message appropriate to the option chosen (such as "Don't forget your sunscreen"). It should continue to prompt the user to enter another option until the user chooses option 4.

4. Implement the PlayerData program discussed in the lecture. Modify the program to also store the player’s unique ID number.

Challenge question

5. Write a C++ program which asks the user for a number n between 1 and 10. The program should then print out n lines. Each should consist of the numbers from 1 to the line number. For example:

Please enter a number: 5

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

hint: you will need to use nested for loops!