

Programming Languages 1 Lesson 2

Exercises:

1. Write a C program that reads 3 `int` numbers from the keyboard and after it prints out if a triangle can be formed with these values as side lengths of it. Note that a triangle can only be formed if the sum of any two values from the three is greater than the third one.
 1. Create a new project named `triangle`, and add name the main file `triangle.c`.
 2. Learn how the `if` statement works.
 3. Write a program that reads the numbers and prints them back.
 4. Modify the program so that it does what the exercise tells to do.

2. Write a C program that reads a number (`int`) from the keyboard. The program has to print out what is the name of the month that is represented by that number. If the number is not between 1 and 12 do not do anything. (e.g. for 3 print out March, for 6 print our June etc...)
 1. Create a new project and save the main file as `seasons.c`.
 2. Learn how the `switch` statement works (including “break”)
 3. Write the program using `switch`.

3. Write a C program that reads numbers from the keyboard until it gets 0. After getting 0 the program has to print out the sum and the average of the read numbers.
 1. Start as in the above two cases. The name of the main file is `sumavg.c`
 2. Learn how the `while` statement works.
 3. Learn how real numbers are stored in C.
 4. Learn how the “/” (divide) operator works.
 5. Write the program using the information above.

