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Chapter 7

Loopping

Exercise 1:

Write a program that allows you to enter a positive integer n, sum all even numbers between 0 - n.

Exercise 2:

Write a program to enter an integer, find the result of multiplication of that number by the numbers 1-20, and then print the result on the screen.

Exercise 3:

Write a program that allows you to enter an integer n (n <1000)

Print out all prime numbers between 0 - n.

Exercise 4:

Write a program that allows you to enter an integer n (n <= 20), and print the corresponding Fibonacci number.

The Fibonacci number is the number that is equal to the sum of the two preceding Fibonacci numbers.

With the assumption that Fi (0) = 1, Fi (1) = 1.

We have an example: Fi (2) = Fi (0) + Fi (1) = 1 + 1 = 2, Fi (3) = Fi (2) + Fi (1) = 2 + 1 = 3, Fi (4) = Fi (3) + Fi (2) = 3 + 2 = 5, ... Assuming n = 4, the output will be 5.

Exercise 5 *:

Write a program that allows the user to enter 5 student codes.

Check that this student number is in the correct format.

With the student number format "B170xxxx" where x is an integer from 1-9. (Use regular expressions to bind the format)