Programming Languages 1
Lesson 4

Exercises:

1. Write a C program, that reads integer numbers from the keyboard until 0, and print out if they are odd or even.
    1. Learn the use of the % operator.
    2. Find out how you can decide whether a number is odd or even.
    3. Write the program.

2. Write a C program that reads in 10 integer numbers from the keyboard. <u>After</u> this print back all the prime numbers read.
    1. Learn how to decide if a number is prime or not.
    2. Array or one variable?
    3. Write the program.

3. Modify the program written in ex. 3 so that the program decides if a number is prime in a function.
    1. Learn how to write a function in C (Hint: Look at the `main()` function.)
    2. Move the prime test code to the function.

4. Write a C program that reads an integer number from the keyboard, and prints out all the prime numbers till that number (including it if it is a prime).
    1. Reuse the previous code
    2. Do not forget to test the limiting cases