**Fundamentals of Programming**

**Lab 01**

1. Write a program that inputs an n-digit number then output its n digits from least to most significant:

Input: 132768

Output: 8 6 7 2 3 1

1. Write a program to input integers, the program ends when user input 0. Print the minimum (different from 0) and maximum number (different from 0) among the input numbers:

Input: -3 5 -2 9 8 10 5 -1 0

Min: -3

Max: 10

1. Write a program to find all prime number less than a given integer N (optional: provide an optimal solution)

N = 10

Output: 2 3 5 7

1. Given number x and y. Using only plus, minus, multiply and divide to evaluate the following equation using no more than 16 operations:

3x2y2 – 2xy2 – 7x2y – 4y2 + 15xy + 2x2 – 3x +10y + 6