

## IOT103TC Lab - 01

### Notes

The assignment in the following may include tasks not covered entirely in the videos. The best way to learn the programming is to work your way through the challenges and internet is the best help.

All students should try to solve the problems by themselves, although group work is allowed. You are welcome to ask me, but I encourage to first try it for yourself.

### Tasks

1. Write a Python program to sort a list of numbers in increasing order.
2. Write a Python code to find all the number that are less than 500 and greater than 400, replace all those numbers with a character N.  
L = [200, 240, 500, 695, 229, 780, 1002, 102, 56, 12, 242, 504, 102]
3. You are given an array of numbers is [201, NaN, 424, NaN, 221, 423, 53, 55, NaN, 87].  
**Hint:** NaN is a special numeric data type means for Not a Number. Internet is the best help 😊
4. Learn about the concept of dictionary in Python via internet, and write a program to relate the names of the countries with the number. For example dict = {1: 'Austria', 2: 'Brazil', ...}. You may include 3-6 countries.
5. In dictionary made of the countries above. Find any specific country.  
Hint: You may need to learn the concept of items in Python.