

# ITLAB-162

## Assignment - 1 (IMSc and IMA Economics)

Submission in Class - 1st March 2023

First write down the method as a sequence of steps in the Text Cell. And then start coding.

1. Write an algorithm to find maximum of the given list of numbers. And then write the program.
2. Compute the average of the marks given on 5 subjects in the range [0, 100]. Then your program has to do the following:
  - if the average  $\leq 35$ , then "the average obtained is poor"
  - if  $35 < \text{average} \leq 50$ , then print "the average obtained is ok"
  - if  $50 < \text{average} \leq 60$ , then print "the average obtained is good"
  - if  $60 < \text{average} \leq 75$ , then print "the average obtained is very good"
  - if average  $> 75$ , then print "the average obtained is great!"
3. Take input of weight(in Kg) and height(in meter) from the user. Calculate the Body Mass Index using the formula

$$BMI = \frac{weight}{height^2}.$$

Look up the advisory on BMI tables for adults for Underweight to Obese levels and advise the user. For the given input of height and weight, print the appropriate advice:

- Underweight: You need to improve your weight
- Healthy weight: You are doing well.
- Overweight: Please start being careful
- Obese: You need to reduce your weight.