

# Lecture Exercise 6

Submit a **single .py file** for both parts

## In Class Exercise (Part a)- 10 points

- Read a positive number as user input and find its factors.
- For example 20 has factors :1,2,4,5,10,20 and 21 has 1,3,7,21.
- Print the output as a List : [1,2,4,5,10,20]

## Part (b) – 10 points

- Read a positive number as user input and check if it is prime or not.
- Any number that is only divisible by itself and by 1 is a prime number. Prime numbers begin from 2 (So no need to check 1).
- Print the output as a 'True' if it is prime and 'False' if not.