

# Homework 1: Playing with Python

## ( **Due Friday September 21**

## **Total points= 100)**

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September 13, 2018

### 1 FIBONACCI SEQUENCE (**10 POINTS**)

The Fibonacci numbers are the sequence of integers in which each is the sum of the previous two numbers, with the first two being 1,1. Thus, 1,1,2,3,5,8,13,21,...

Write a program that generates and prints all the sequence from 1 to N, where N is a user defined value.

### 2 EXERCISE 2.9 (30 POINTS)

### 3 EXERCISE 2.10 (30 POINTS)

### 4 EXERCISE 2.12 (20 POINTS)

### 5 EXERCISE 3.3 (10 POINTS)