Python Assignment 1:

Q1. What is JPython & CPython?

Ans: JPython is an implementation of the high-level, dynamic, object-oriented language Python seamlessly integrated with the Java platform.

CPython can be defined as both an interpreter and a compiler as it compiles Python code into bytecode before interpreting it.

Q2. What is the basic difference between python 2 and python 3?

Ans: **Python 2** stores need to define Unicode string value with "u." whereas **Python 3** default storing of strings is Unicode.

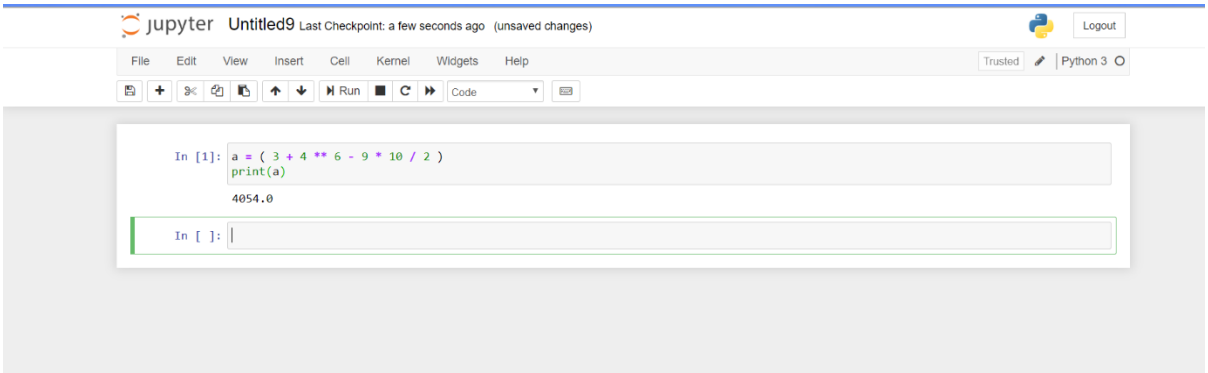
Python 2 syntax is difficult to interstand whereas **Python 3** syntax **is** simpler and easily understandable.

Q3. Difference between ASCII & Unicode?

Ans: ASCII uses 7-bits to encode each character whereas Unicode uses variable bit encoding program where we can choose between 32, 16, and 8-bit encodings.

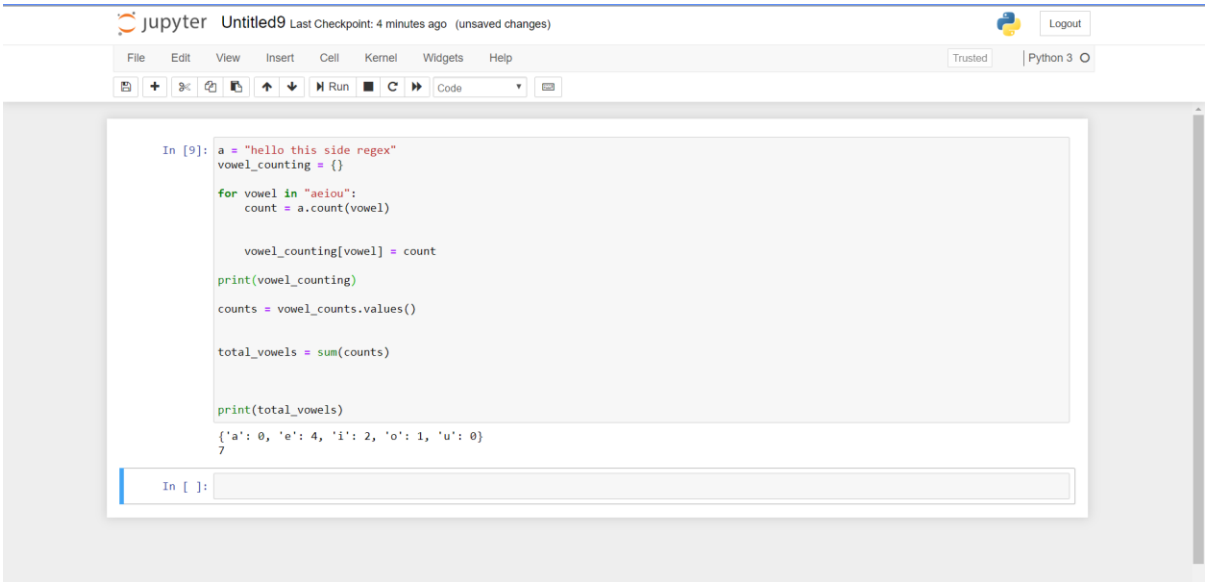
Python assignment 2

Q1. What should be the output? (3 + 4 ** 6 - 9 * 10 / 2)?



Q2. Let say I have, some string "hello this side regex"

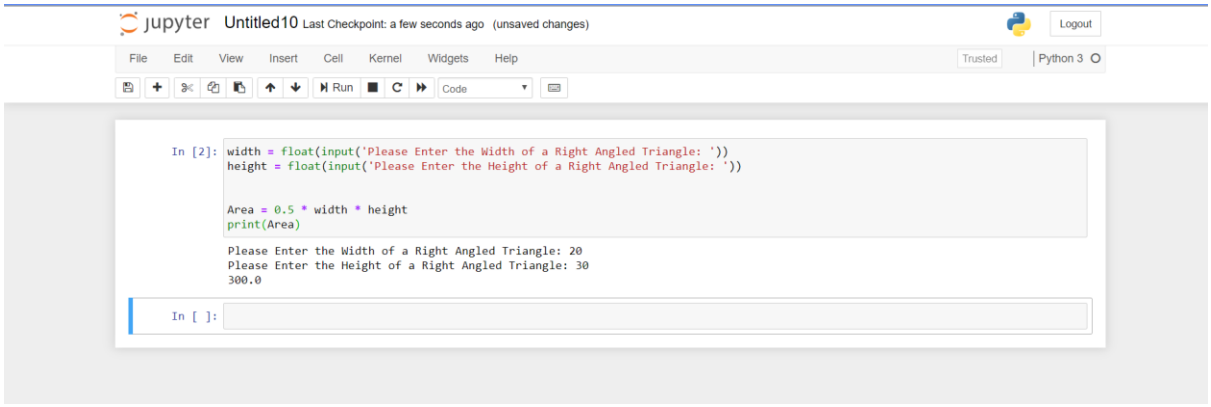
- Find out the count of the total vowels
  - vowels - ['a','e','i','o','u']



Q3. Find out the area of triangle

- 1/2 * b * h (formula of area)

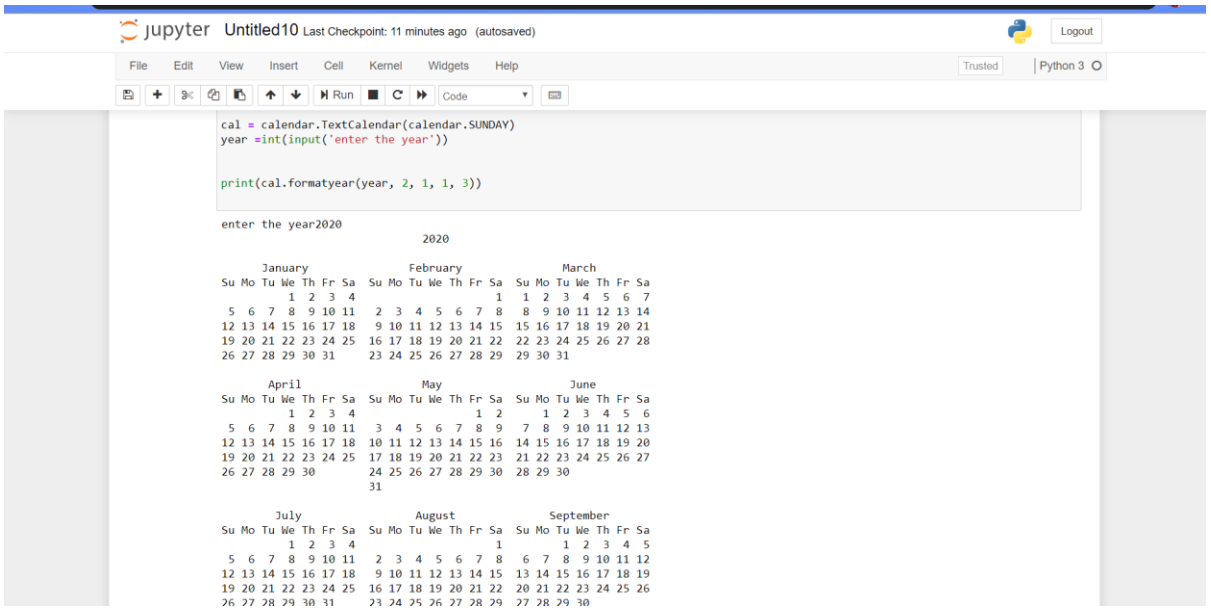
- You have to take value from user about the base, & the height



Q4. Print the calendar on the terminal. If you give the year.

- Allow the user to input the year.

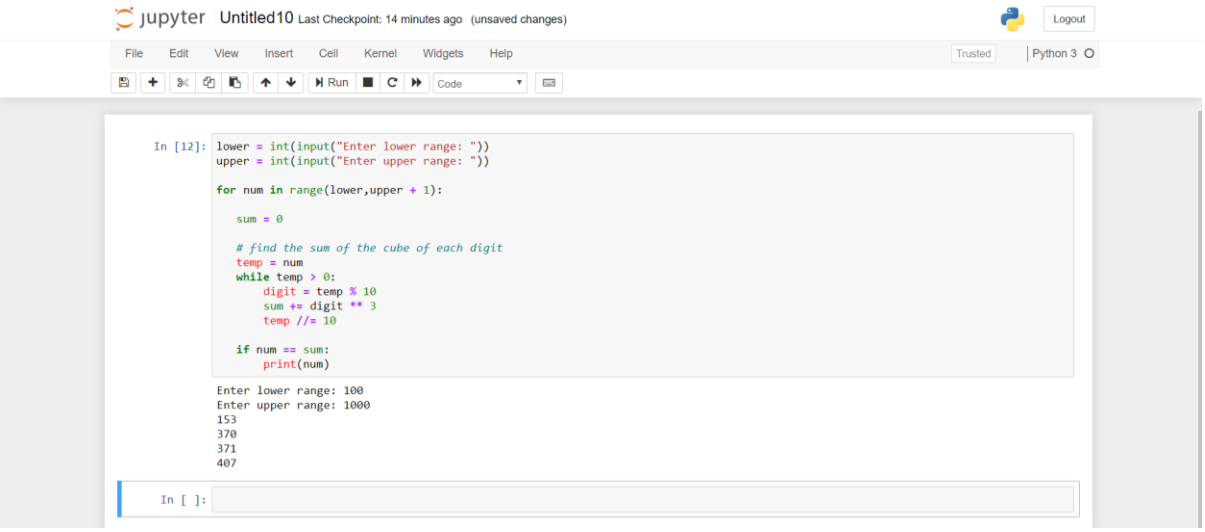
- Then should that calendar of that year



Python Assignment 3

Q1. Find the Armstrong Number between the two numbers which are input by user

○ Armstrong number : 153 -> 1*1*1 + 5*5*5 + 3*3*3



Q2. Let’s say you have a string “hello this world @2020!!! ”

○ Remove the punctuation like [“@!#$%&*()”] from the string

■ Final output should be without the punctuation

● “hello this world 2020”