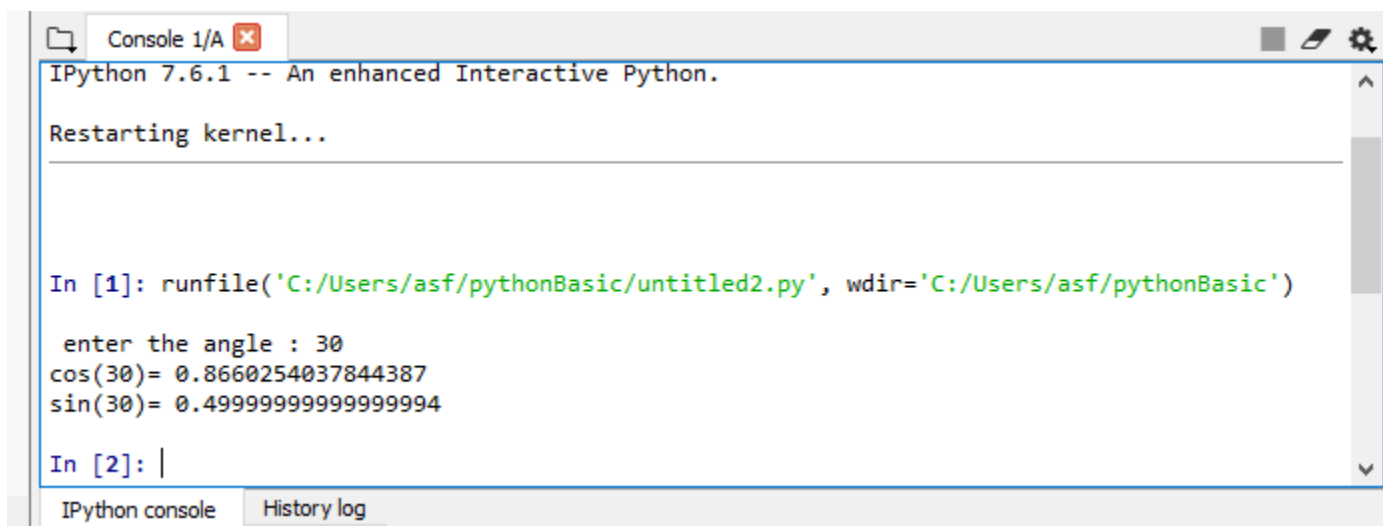# HW #1

[1] Write a program that computes the sine and cosine for inputted angle . The program should obtain the value of angle from the user and prints the values .

Hint : use math libraries and remember it's take value of angle in radian .

```
Console 1/A ✕
IPython 7.6.1 -- An enhanced Interactive Python.

Restarting kernel...


In [1]: runfile('C:/Users/asf/pythonBasic/untitled2.py', wdir='C:/Users/asf/pythonBasic')

 enter the angle : 30
cos(30)= 0.8660254037844387
sin(30)= 0.49999999999999994

In [2]: |
IPython console    History log
```

[2] Write a program to find the maximum and minimum number among three integer values entered by the user from the keyboard

[3] Write a program that accepts the number of the day of the week and displays the name of the corresponding day. Assume Day 1 is Saturday, Day 2 is Monday, and so on. For example if you have entered 1 as your day number, the program should display "The day is Saturday." as the output

[4] Write a program that represent a simple calculator for complex number where the user must asked to input tow complex number and name of the operation (sum , multiplication , subtraction division) then the user have the result on the screen .

Ex :
Input first number : 5+6j
Input second number : 19+4j
Select the mathematical calculations [sum , multiplication , subtraction , division]
Result :
(5+6j) +(19+4j) = 24+10j

Send your solution to : malak96.salman@gmial.com