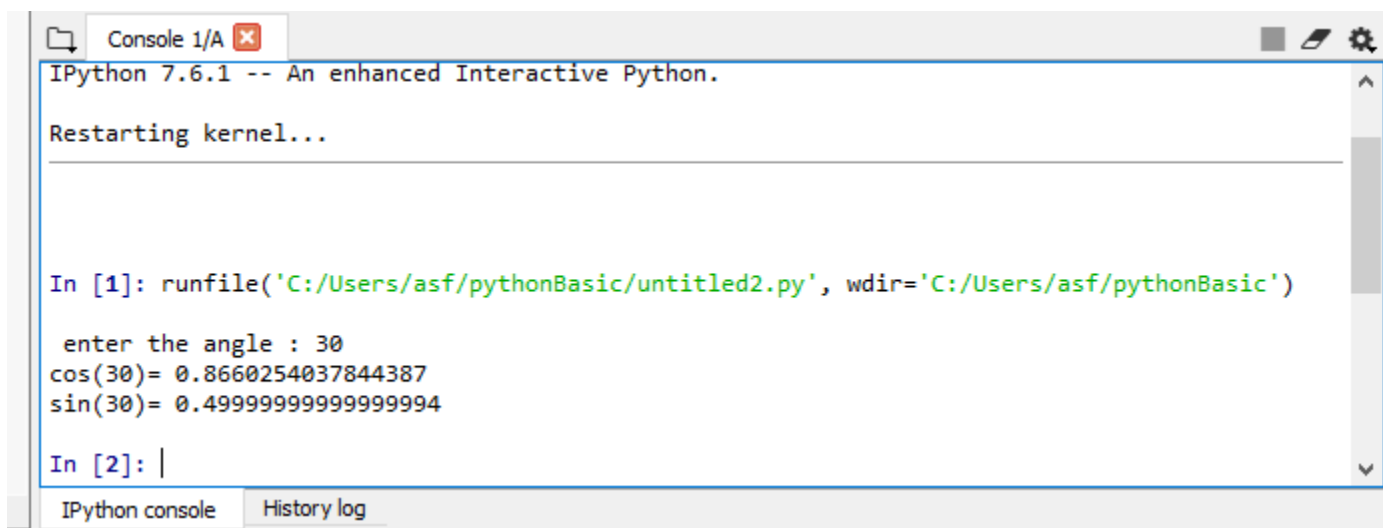


## python

### 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 .



The screenshot shows an IPython 7.6.1 console window. The title bar reads 'Console 1/A'. The main text area contains the following output:

```
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]: |
```

At the bottom, there are two tabs: 'IPython console' and '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@gmail.com](mailto:malak96.salman@gmail.com)