

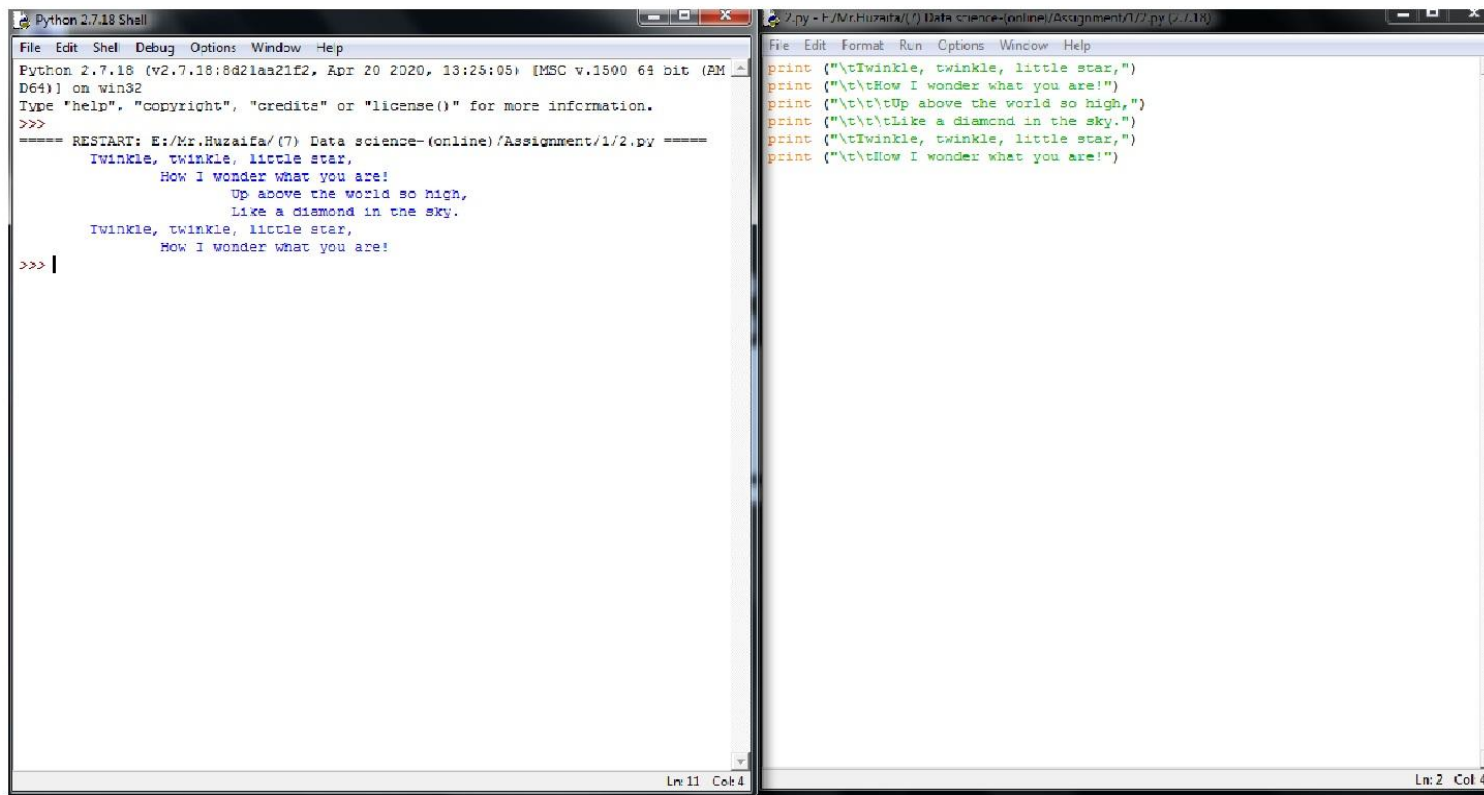


JAWAN **PAKISTAN**

Data Science Course **Assignment #1**

BY: Mr.HUZAIFA

1.) WIRTE A PYTHON PROGRAM THAT TO PRINT A FOLLOWING STRING IN A SPECIFIC FORMAT.

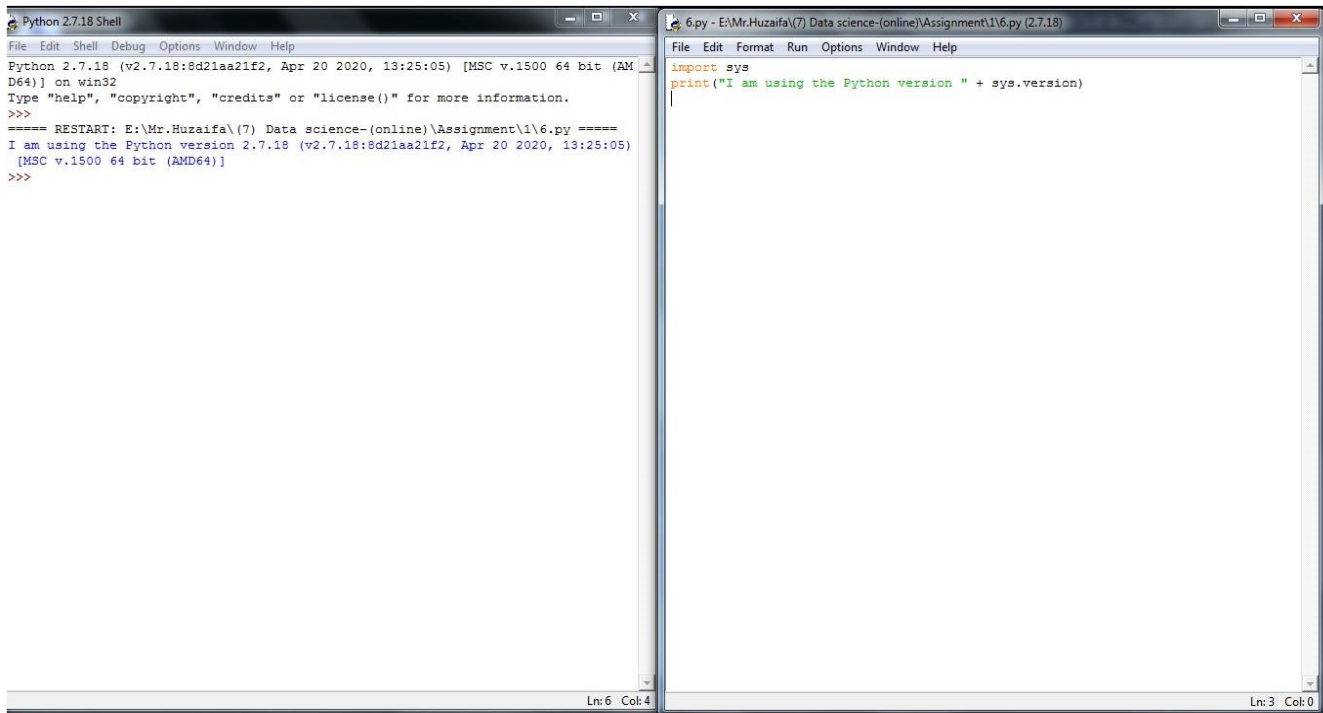


The image shows two side-by-side windows from a Python 2.7.18 environment. The left window is a 'Python 2.7.18 Shell' showing the execution of a program. The right window is a file editor showing the source code of the program.

```
Python 2.7.18 Shell
File Edit Shell Debug Options Window Help
Python 2.7.18 (v2.7.18:8d21aa21f2, Apr 20 2020, 13:25:05) [MSC v.1500 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: E:/Mr.Huzairfa/(7) Data science-(online)/Assignment/1/2.py =====
      twinkle, twinkle, little star,
            How I wonder what you are!
                    Up above the world so high,
                    Like a diamond in the sky.
      twinkle, twinkle, little star,
            How I wonder what you are!
>>> |
```

```
2.py - F:/Mr.Huzairfa/(7) Data science-(online)/Assignment/1/2.py (2.7.18)
File Edit Format Run Options Window Help
print ("twinkle, twinkle, little star,")
print ("    How I wonder what you are!")
print ("    Up above the world so high,")
print ("    Like a diamond in the sky.")
print ("twinkle, twinkle, little star,")
print ("    How I wonder what you are!")
```

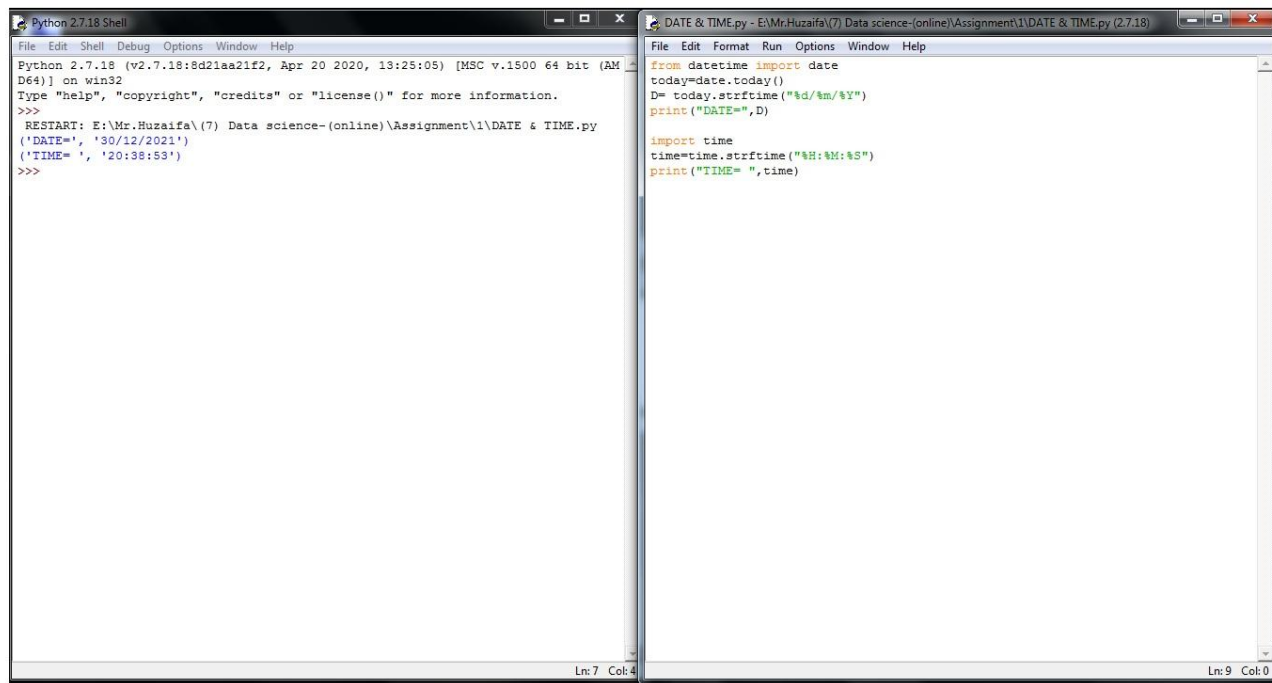
2.) WRITE A PYTHON PROGRAM TO GET THE PYTHON VERSION YOU ARE USING.



```
Python 2.7.18 Shell
File Edit Shell Debug Options Window Help
Python 2.7.18 (v2.7.18:8d21aa21f2, Apr 20 2020, 13:25:05) [MSC v.1500 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: E:\Mr.Huzaifa\7) Data science-(online)\Assignment\1\6.py =====
I am using the Python version 2.7.18 (v2.7.18:8d21aa21f2, Apr 20 2020, 13:25:05)
[MSC v.1500 64 bit (AMD64)]
>>>
```

```
6.py - E:\Mr.Huzaifa\7) Data science-(online)\Assignment\1\6.py (2.7.18)
File Edit Format Run Options Window Help
import sys
print("I am using the Python version " + sys.version)
```

3.) WRITE A PYTHON PROGRAM TO DISPLAY THE CURRENT DATE AND TIME.



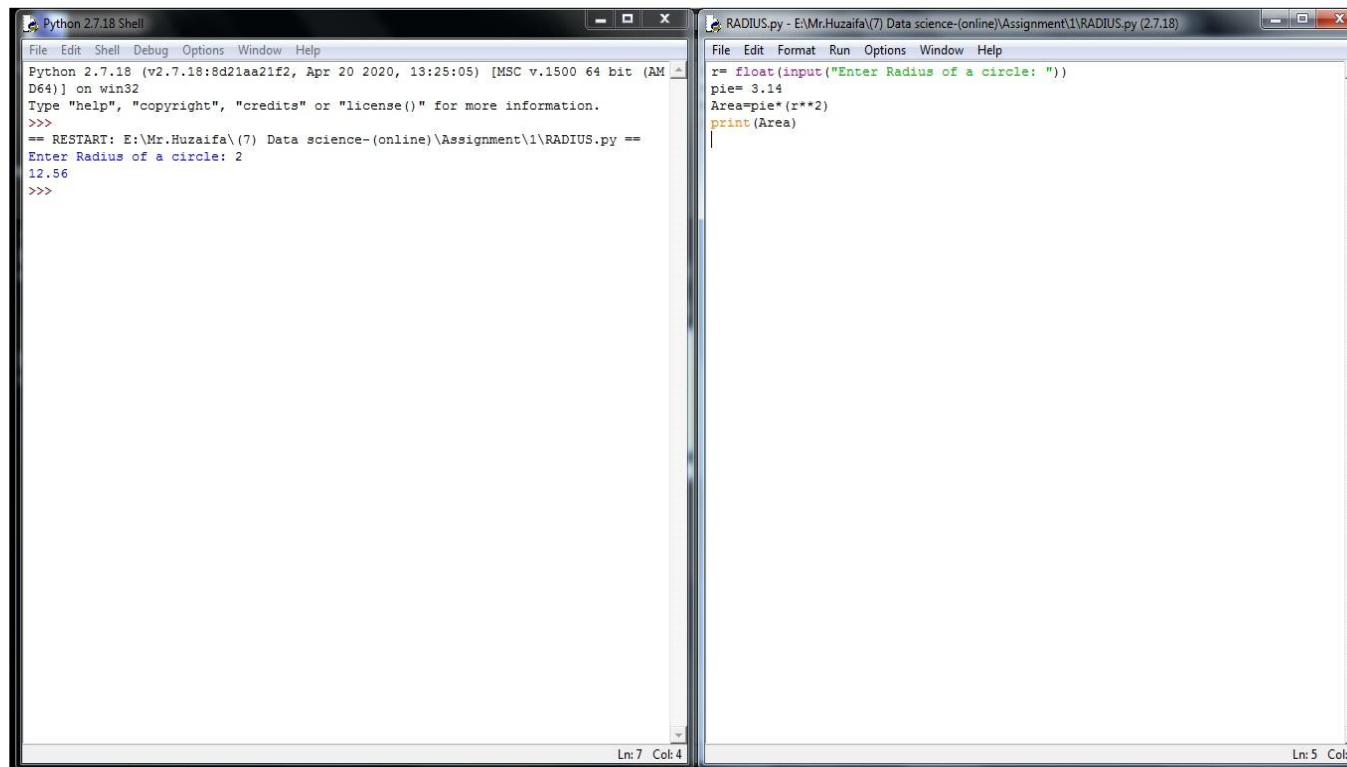
The image shows two side-by-side windows from a Python 2.7.18 environment. The left window is the 'Python 2.7.18 Shell' with a menu bar (File, Edit, Shell, Debug, Options, Window, Help). It displays the Python version and architecture, followed by a restart command and the execution of a script. The script's output shows the current date and time. The right window is a text editor titled 'DATE & TIME.py' with a menu bar (File, Edit, Format, Run, Options, Window, Help). It contains the Python code used in the shell.

```
Python 2.7.18 Shell
File Edit Shell Debug Options Window Help
Python 2.7.18 (v2.7.18:8d21aa21f2, Apr 20 2020, 13:25:05) [MSC v.1500 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
RESTART: E:\Mr.Huzaifa\ (7) Data science-(online)\Assignment\1\DATE & TIME.py
('DATE=', '30/12/2021')
('TIME= ', '20:38:53')
>>>
```

```
DATE & TIME.py - E:\Mr.Huzaifa\ (7) Data science-(online)\Assignment\1\DATE & TIME.py (2.7.18)
File Edit Format Run Options Window Help
from datetime import date
today=date.today()
D= today.strftime("%d/%m/%Y")
print("DATE=",D)

import time
time=time.strftime("%H:%M:%S")
print("TIME= ",time)
```

4.) WRITE A PYTHON PROGRAM WHICH ACCEPTS THE RADUIS OF A CIRCLE FROM THE USER AND COMPUTE THE AREA.



The image shows two side-by-side windows from a Python 2.7.18 environment. The left window is the 'Python 2.7.18 Shell' and the right window is a text editor titled 'RADIUS.py - E:\Mr.Huzaifa\7) Data science-(online)\Assignment\1\RADIUS.py (2.7.18)'.

Python 2.7.18 Shell:

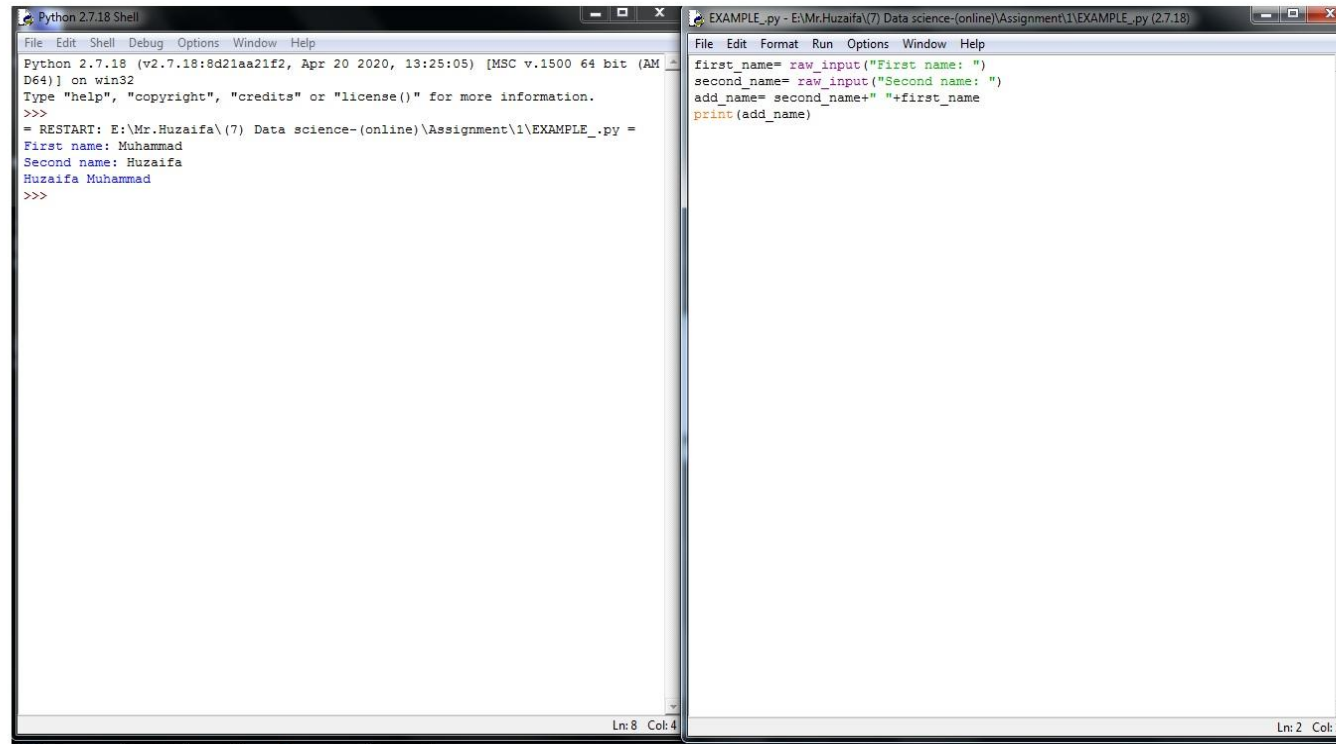
```
Python 2.7.18 (v2.7.18:8d21aa21f2, Apr 20 2020, 13:25:05) [MSC v.1500 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
== RESTART: E:\Mr.Huzaifa\7) Data science-(online)\Assignment\1\RADIUS.py ==
Enter Radius of a circle: 2
12.56
>>>
```

RADIUS.py:

```
File Edit Format Run Options Window Help
x= float(input("Enter Radius of a circle: "))
pie= 3.14
Area=pie*(x**2)
print (Area)
```

The status bars at the bottom of the windows show 'Ln: 7 Col: 4' for the shell and 'Ln: 5 Col: 0' for the editor.

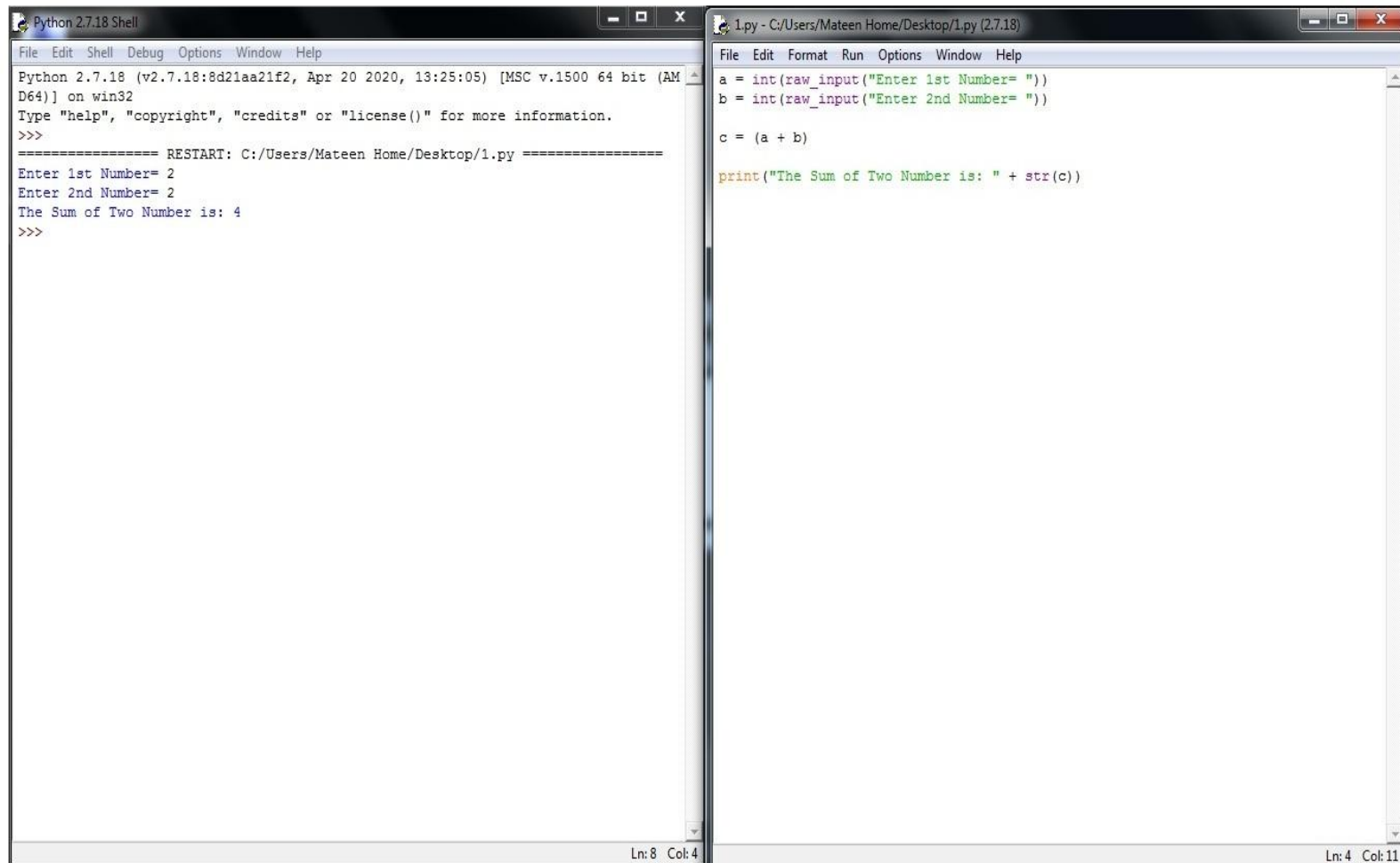
5.) WRITE A PYTHON PROGRAM WHICH ACCEPTS THE USER'S FIRST-NAME AND LAST-NAME AND PRINT THEM IN A REVERSE ORDER WITH A SPACE BETWEEN THEM.



The image shows two windows side-by-side. The left window is a 'Python 2.7.18 Shell' with a menu bar (File, Edit, Shell, Debug, Options, Window, Help). It displays the Python prompt and the execution of a script. The script prompts for 'First name:' and 'Second name:', which are entered as 'Muhammad' and 'Huzaifa' respectively. The output is 'Huzaifa Muhammad'. The right window is an IDE titled 'EXAMPLE_.py - E:\Mr.Huzaifa\7) Data science-(online)\Assignment\1\EXAMPLE_.py (2.7.18)'. It contains the following Python code:

```
first_name= raw_input("First name: ")
second_name= raw_input("Second name: ")
add_name= second_name+" "+first_name
print add_name
```


6.) WRITE A PYTHON PROGRAM THAT TAKES TWO INPUT FROM USER'S AND PRINT THEM ADDITION.



The image shows two side-by-side windows from a Python 2.7.18 environment. The left window is the 'Python 2.7.18 Shell' with a menu bar (File, Edit, Shell, Debug, Options, Window, Help). It displays the Python version and architecture, followed by a prompt 'Type "help", "copyright", "credits" or "license()" for more information.' and '>'. The user has entered '2' for the first number and '2' for the second number, resulting in the output 'The Sum of Two Number is: 4'. The right window is a text editor titled '1.py - C:/Users/Mateen Home/Desktop/1.py (2.7.18)' with a menu bar (File, Edit, Format, Run, Options, Window, Help). It contains the following Python code:

```
a = int(raw_input("Enter 1st Number= "))
b = int(raw_input("Enter 2nd Number= "))

c = (a + b)

print("The Sum of Two Number is: " + str(c))
```

The status bars at the bottom of the windows show 'Ln: 8 Col: 4' for the shell and 'Ln: 4 Col: 11' for the script editor.