

Jawan Pakistan

#Data science  
course

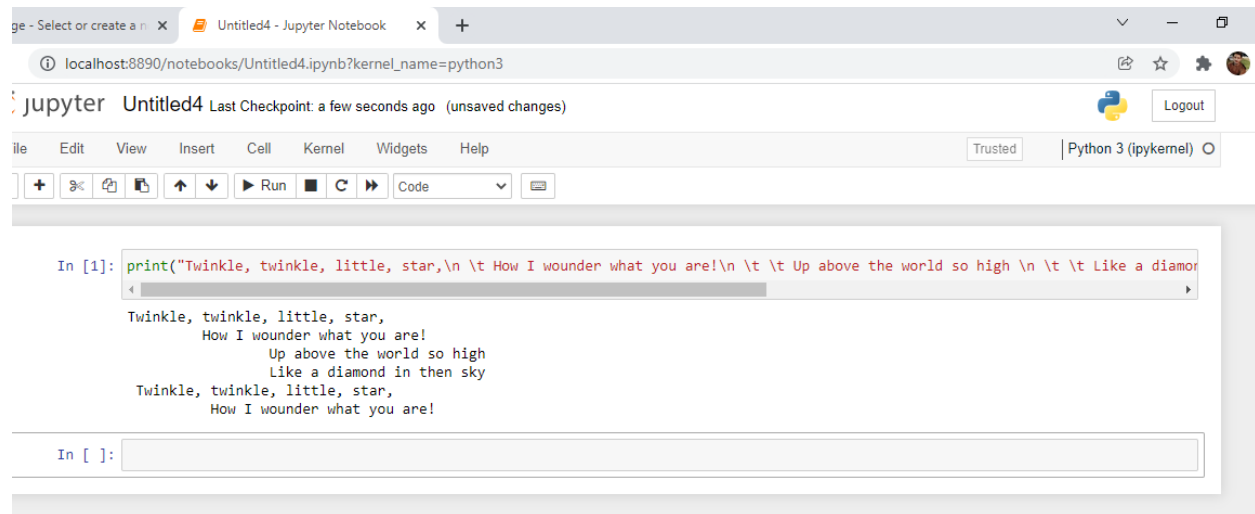
#Assignment no.1

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## Q.1 Write a python program to print a following string in a specific format?



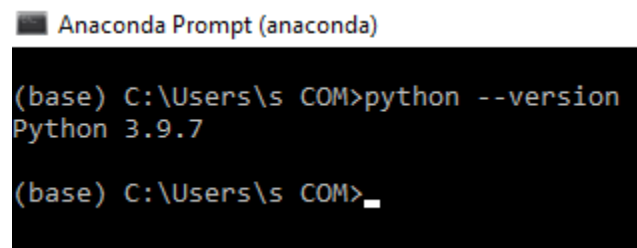
The screenshot shows a Jupyter Notebook titled 'Untitled4' running on a local server at localhost:8890. The notebook contains a single code cell with the following Python code:

```
In [1]: print("Twinkle, twinkle, little, star,\n\tHow I wonder what you are!\n\t\tUp above the world so high\n\t\t\tLike a diamond in then sky\nTwinkle, twinkle, little, star,\n\tHow I wonder what you are!")
```

The output of the code is displayed below the cell, showing the poem with the specified formatting:

```
Twinkle, twinkle, little, star,
    How I wonder what you are!
        Up above the world so high
            Like a diamond in then sky
Twinkle, twinkle, little, star,
    How I wonder what you are!
```

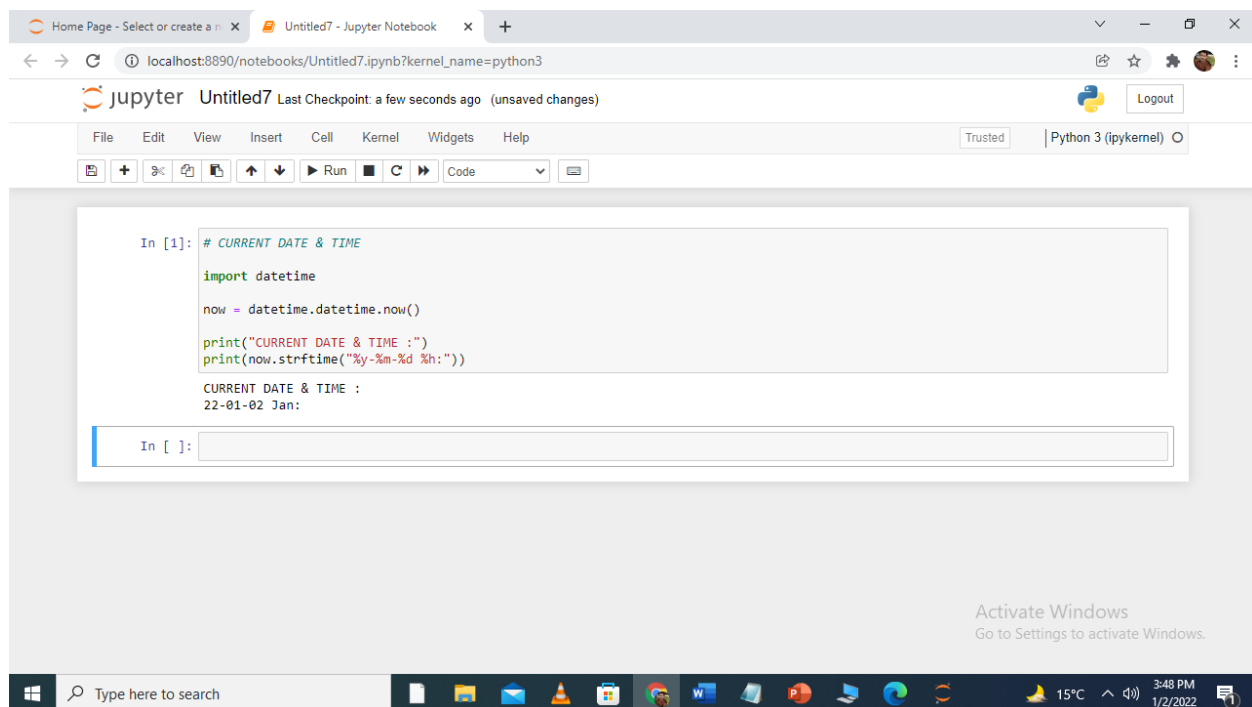
## Q.2 Write a python program to get a python version you are using?



The screenshot shows an Anaconda Prompt terminal window. The user has entered the command `python --version` in the prompt, and the output is `Python 3.9.7`.

```
(base) C:\Users\s COM>python --version
Python 3.9.7
(base) C:\Users\s COM>
```

### Q.3 Write a python program to get display the current date and time?



The screenshot shows a Jupyter Notebook interface in a web browser. The browser's address bar displays the URL `localhost:8890/notebooks/Untitled7.ipynb?kernel_name=python3`. The Jupyter interface includes a menu bar with options: File, Edit, View, Insert, Cell, Kernel, Widgets, and Help. Below the menu is a toolbar with icons for file operations, cell navigation, and execution. The notebook itself is titled "Untitled7" and shows the output of a Python cell. The code in the cell is as follows:

```
In [1]: # CURRENT DATE & TIME
import datetime
now = datetime.datetime.now()
print("CURRENT DATE & TIME :")
print(now.strftime("%y-%m-%d %h:"))
```

The output of the code is displayed below the code cell:

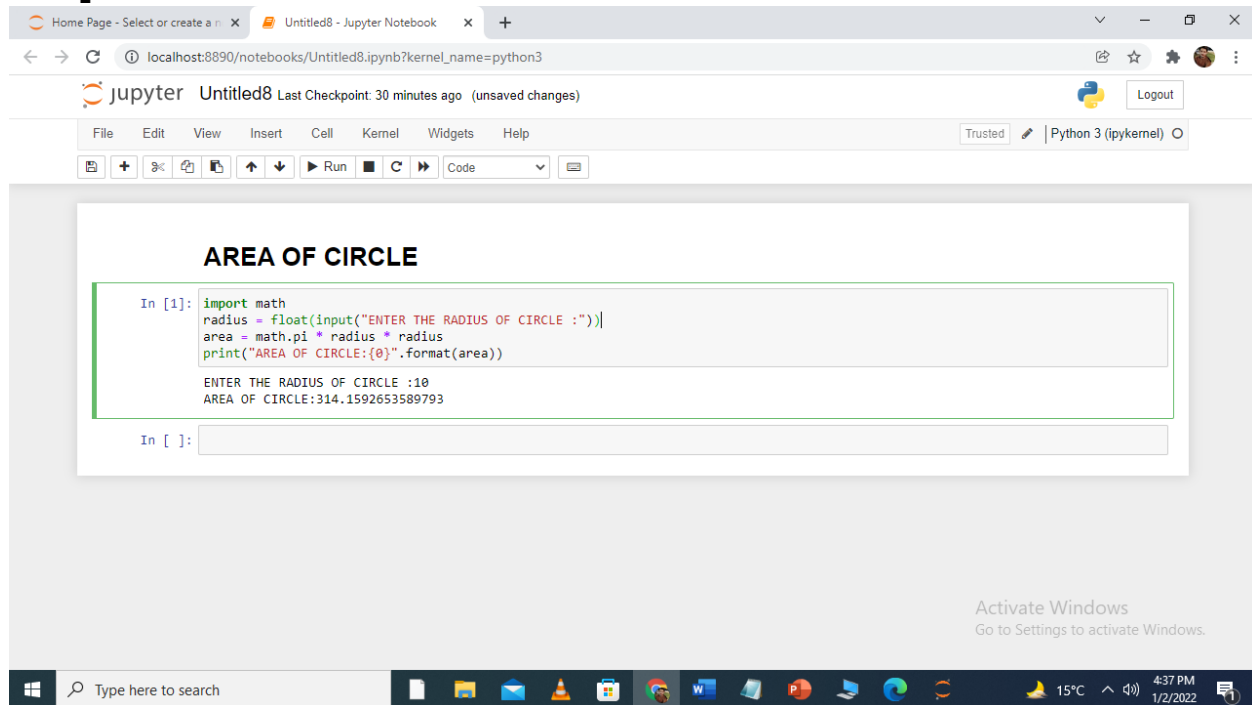
```
CURRENT DATE & TIME :
22-01-02 Jan:
```

At the bottom of the Jupyter interface, there is a prompt for the next input:

```
In [ ]:
```

The Windows taskbar is visible at the bottom of the screen, showing the search bar, taskbar icons, and system tray information including the date and time (3:48 PM, 1/2/2022).

#### Q.4 Write a program which accept the radius of circle from the user to compute the area?



The screenshot shows a Jupyter Notebook interface with a single code cell. The code calculates the area of a circle based on user input for the radius. The output of the code is displayed below the cell.

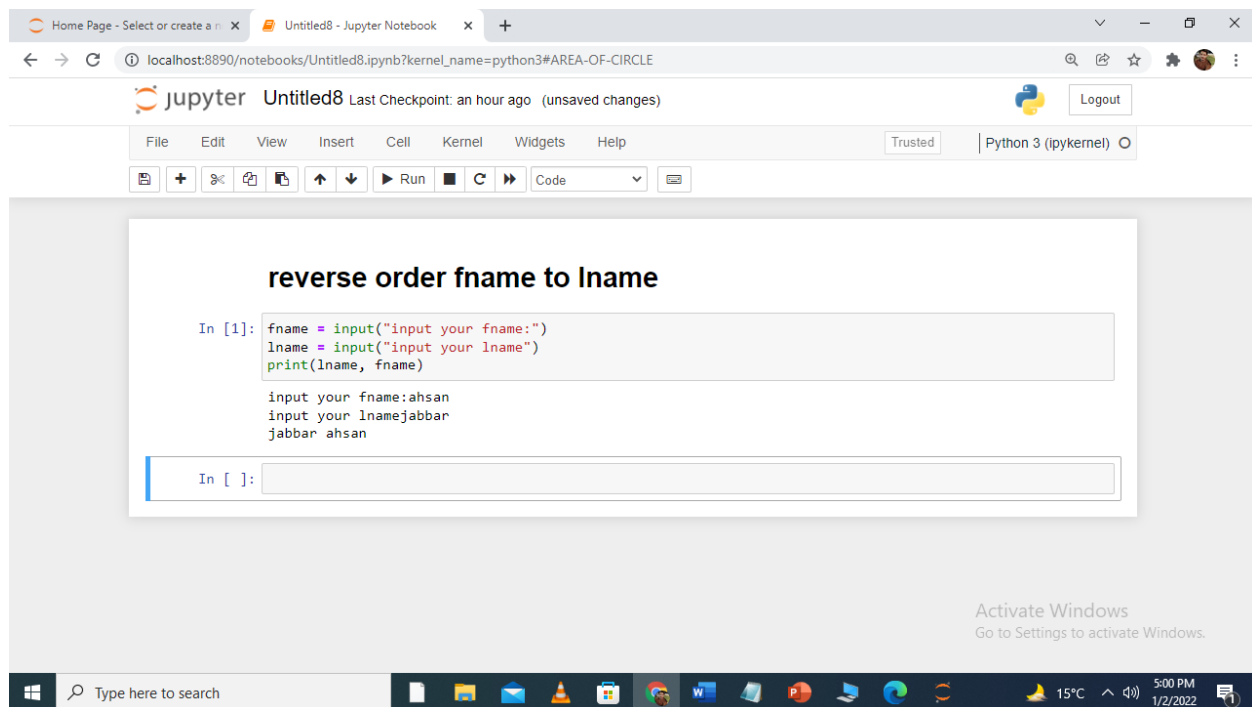
```
AREA OF CIRCLE

In [1]: import math
        radius = float(input("ENTER THE RADIUS OF CIRCLE :"))
        area = math.pi * radius * radius
        print("AREA OF CIRCLE:{0}".format(area))

        ENTER THE RADIUS OF CIRCLE :10
        AREA OF CIRCLE:314.1592653589793

In [ ]:
```

#### Q.5 write a python program which accept the user first name and last name and print them reverse order with a space between them?



The screenshot shows a Jupyter Notebook interface with a single code cell. The code prompts the user for their first name and last name, then prints them in reverse order. The output of the code is displayed below the cell.

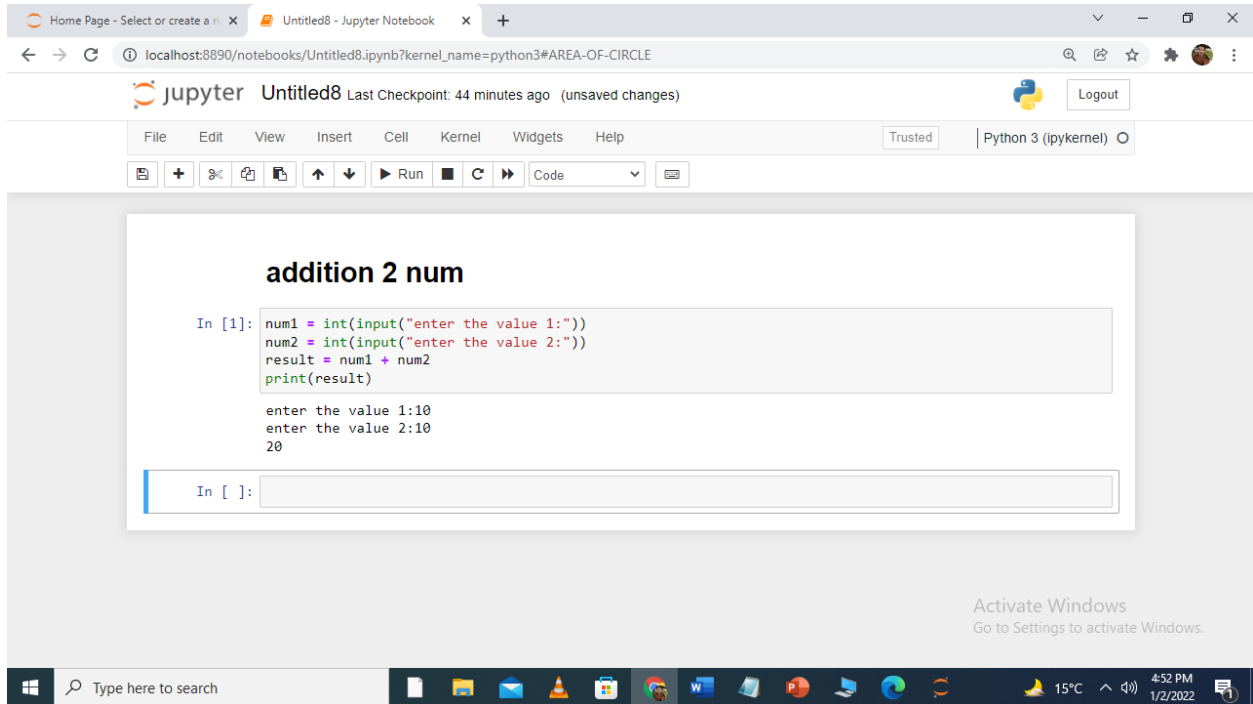
```
reverse order fname to lname

In [1]: fname = input("input your fname:")
        lname = input("input your lname")
        print(lname, fname)

        input your fname:ahsan
        input your lname:jabbar
        jabbar ahsan

In [ ]:
```

## Q.6 Write a python program which takes two inputs from user to print them addition?



The screenshot displays a Jupyter Notebook interface in a web browser. The browser's address bar shows the URL: `localhost:8890/notebooks/Untitled8.ipynb?kernel_name=python3#AREA-OF-CIRCLE`. The Jupyter Notebook title bar indicates the file is "Untitled8" and shows the last checkpoint was 44 minutes ago. The interface includes a menu bar with "File", "Edit", "View", "Insert", "Cell", "Kernel", "Widgets", and "Help". Below the menu bar is a toolbar with icons for saving, adding cells, and running code. The main area contains a code cell titled "addition 2 num" with the following Python code:

```
In [1]: num1 = int(input("enter the value 1:"))
        num2 = int(input("enter the value 2:"))
        result = num1 + num2
        print(result)
```

The output of the code cell shows the user inputting values:

```
enter the value 1:10
enter the value 2:10
20
```

Below the code cell is an empty input field for the next prompt, "In [ ]:". At the bottom of the notebook interface, there is a watermark that says "Activate Windows Go to Settings to activate Windows." The Windows taskbar is visible at the very bottom, showing the search bar and various application icons.