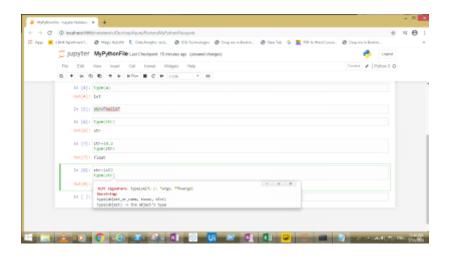
Task 1:

1.Install Jupyter notebook and run the first program and share the screenshot of the output.



2.

y=range(2000,3201,1)

Write a program which will find all such numbers which are divisible by 7 but are not a multiple of 5, between 2000 and 3200 (both included). The numbers obtained should be printed in a comma-separated sequence on a single line.

3.

Write a Python program to accept the user's first and last name and then getting them printed in the the reverse order with a space between first name and last name.

```
In [108]: f1-input("Enter first name ")
    f2-input("Enter last name ")
    m-[f2+" "+f1]
    print(m)

Enter first name abc
    Enter last name def
    ['def abc']
```

```
In [109]: f3=[]
f3=f1+" "+f2
print(f3)
f3[::-1]

abc def
Out[109]: 'fed cba'
```

4.

Write a Python program to find the volume of a sphere with diameter 12 cm.

Formula: V=4/3 * π * r 3

```
In [5]:

White a Python program to find the values of a sphere with diameter 12 cm.

Whormula: Y=0/3 * m * r3
pl=3.1415
d=float(12)
r=float(d/2)
val=(float(4/2)*(pl)*(r)**3)
print(val)

964.752
```

Task 2

1.

Write a program which accepts a sequence of comma-separated numbers from console and generate a list.

```
In [110]: x=[]
x=input("enter values separated by , ")
print(x)

enter values separated by , 1,2,3,5,6,7,8
1,2,3,5,6,7,8

In [135]: y=list
y=input("enter values separated by , ")
print(y)
enter values separated by , 1,2,4,6,8
1,2,4,6,8
```

Create the below pattern using nested for loop in Python.

....

3.

Write a Python program to reverse a word after accepting the input from the user.

Sample Output:

Input word: AcadGild

* *

Output: dilGdacA

```
In [141]: w=[]
    x=[]
    w=input("Enter the word ")
    x=w[::-1]
    print(x)
```

Enter the word AcadGild dliGdacA

4.

Write a Python Program to print the given string in the format specified in the sample output.

WE, THE PEOPLE OF INDIA, having solemnly resolved to constitute India into a SOVEREIGN, SOCIALIST, SECULAR, DEMOCRATIC REPUBLIC and to secure to all its citizens

Sample Output:

```
WE, THE PEOPLE OF INDIA,
```

having solemnly resolved to constitute India into a SOVEREIGN, ! SOCIALIST, SECULAR, DEMOCRATIC REPUBLIC and to secure to all its citizens

```
In [156]: stri="WE,THE PEOPLE OF INDIA,\n\thaving solemnly resolved to constitute India into a SOVEREIGN,!\n\t\tSOCIALIST, SECULAR, DE stri.expandtabs()
print(stri)

WE,THE PEOPLE OF INDIA,
    having solemnly resolved to constitute India into a SOVEREIGN,!
    SOCIALIST, SECULAR, DEMOCRATIC REPUBLIC
    and to secure to all its citizens
```