Task 1

In [ ]:

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

In [4]:

```
a="My First Program In Jupyter Notebook"
print(a)
```

```
My First Program In Jupyter Notebook
```

In [ ]:

```

```

In [ ]:

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

In [17]:

```
n=range(2000,3201)
m=[]
for i in n:
    if (i%7==0)and(i%5!=0):
        m.append(i)
```

In [18]:

```
m
```

Out[18]:

```
[2002,
 2009,
 2016,
 2023,
 2037,
 2044,
 2051,
 2058,
 2072,
 2079,
 2086,
 2093,
 2107,
 2114,
 2121,
 2128,
 2142,
 2149,
 2156,
 2163,
 2177,
 2184,
 2191,
 2198,
 2212,
 2219,
 2226,
 2233,
 2247,
 2254,
 2261,
 2268,
 2282,
 2289,
 2296,
 2303,
 2317,
 2324,
 2331,
 2338,
 2352,
 2359,
 2366,
 2373,
 2387,
 2394,
 2401,
 2408,
 2422,
 2429,
 2436,
 2443,
 2457,
 2464,
 2471,
 2478,
```

```
    2492,
    2499,
    2506,
    2513,
    2527,
    2534,
    2541,
    2548,
    2562,
    2569,
    2576,
    2583,
    2597,
    2604,
    2611,
    2618,
    2632,
    2639,
    2646,
    2653,
    2667,
    2674,
    2681,
    2688,
    2702,
    2709,
    2716,
    2723,
    2737,
    2744,
    2751,
    2758,
    2772,
    2779,
    2786,
    2793,
    2807,
    2814,
    2821,
    2828,
    2842,
    2849,
    2856,
    2863,
    2877,
    2884,
    2891,
    2898,
    2912,
    2919,
    2926,
    2933,
    2947,
    2954,
    2961,
    2968,
    2982,
    2989,
```

```
2996,
3003,
3017,
3024,
3031,
3038,
3052,
3059,
3066,
3073,
3087,
3094,
3101,
3108,
3122,
3129,
3136,
3143,
3157,
3164,
3171,
3178,
3192,
3199]
```

In [20]:

```
n=range(2000,3201)
m=[]
for i in n:
    if (i%7==0)and(i%5!=0):
        m.append(str(i))
print(','.join(m))
```

```
2002,2009,2016,2023,2037,2044,2051,2058,2072,2079,2086,2093,2107,2114,
2121,2128,2142,2149,2156,2163,2177,2184,2191,2198,2212,2219,2226,2233,
2247,2254,2261,2268,2282,2289,2296,2303,2317,2324,2331,2338,2352,2359,
2366,2373,2387,2394,2401,2408,2422,2429,2436,2443,2457,2464,2471,2478,
2492,2499,2506,2513,2527,2534,2541,2548,2562,2569,2576,2583,2597,2604,
2611,2618,2632,2639,2646,2653,2667,2674,2681,2688,2702,2709,2716,2723,
2737,2744,2751,2758,2772,2779,2786,2793,2807,2814,2821,2828,2842,2849,
2856,2863,2877,2884,2891,2898,2912,2919,2926,2933,2947,2954,2961,2968,
2982,2989,2996,3003,3017,3024,3031,3038,3052,3059,3066,3073,3087,3094,
3101,3108,3122,3129,3136,3143,3157,3164,3171,3178,3192,3199
```

In [ ]:

```

```

In [ ]:

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

In [26]:

```
a=input("first name:")
b=input("last name:")
print(b,a)
```

```
first name:sravan
last name:kumar
kumar sravan
```

In [ ]:

```

```

In [ ]:

```
# 4.Write a Python program to find the volume of a sphere with diameter 12 cm.
    Formula: V=4/3 * π * r 3
```

In [29]:

```
π=3.14159
r=6
v=4/3*π*r**3
print("volume of the sphere:",v)
```

```
volume of the sphere: 904.7779199999999
```

In [ ]:

```

```

Task 2

In [ ]:

```

```

In [ ]:

```
# 1.Write a program which accepts a sequence of comma-separated numbers from consol
e and
    generate a list.
```

In [40]:

```
n=input("comma-seperated numbers:")
list=n.split(',')
print("list:",list)
```

```
comma-seperated numbers:1,2,3,4,5,6
list: ['1', '2', '3', '4', '5', '6']
```

In [ ]:

```
```

In [ ]:

```
# 2.Create the below pattern using nested for loop in Python.
    *
    * *
    * * *
    * * * *
    * * * * *
    * * * *
    * * *
    * *
    *
```

In [41]:

```
for i in range(0,6):
    for j in range(i):
        print('*',end="")
    print('')
for i in range(6,0,-1):
    for j in range(i):
        print('*',end="")
    print('')
```

```
*
**
***
****
*****
******
*****
****
***
**
*
```

In [ ]:

```
```

In [ ]:

```
# 3.Write a Python program to reverse a word after accepting the input from the use
r.
```

In [1]:

```
a=input("word to be reversed:")

for char in range(len(a)-1,-1,-1):
    print(a[char],end="")
print("\n")
```

```
word to be reversed:SravanKumar
ramuKnavarS
```

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]: