PYTHON - 1 - Assignment

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

```
In [1]: print ("Hello World!!")
        Hello World!!
```

Problem 2. 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.

In [11]:
```
nStart = 2000
nEnd = 3200
strOutput=""

i = nStart


while i <= nEnd:
    if (i%7 ==0 and i%5 != 0):
        if (strOutput == ""):
            strOutput = str(i)
        else:
            strOutput = strOutput + ", " + str(i)
    i=i+1
print (strOutput)
```

```
2002, 2009, 2016, 2023, 2037, 2044, 2051, 2058, 2072, 2079, 2086, 2093, 2107, 2114, 2121, 2128, 2142, 2149, 2156, 216
3, 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, 250
6, 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, 284
9, 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, 319
2, 3199
```

Problem 3. Write a Python Program to accept the user's first name and last name and then getting them printed in hte reverse order with a space between first name and last name.

In [12]:
```
strFirstName = input("What is your First Name? ")
strLastName = input("What is your FLast Name? ")

print(strLastName + " " + strFirstName)
```

```
What is your First Name? Prakash
What is your FLast Name? Ghosh
Ghosh Prakash
```

Problem 4. Write a Python program to find the volume of a sphere with diameter 12 cm

(Formula V=4/3 X pi X r3)

In [17]:
```
nDiameter = 12

import math

nVolume = (4/3)*(math.pi)*((nDiameter/2)**3)

print("The Volume is: " + str(nVolume) + " cc")
```

```
The Volume is: 904.7786842338603 cc
```