

# Assignment-1

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.

```
In [5]: count = 0
for i in range(2000, 3201):
    if( i%7 == 0 and i%5 != 0):
        if(count):
            print(end=',')
        print(i, end='')
        count += 1
```

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

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

```
In [6]: first_name = input("Input first name ")
last_name = input("Input last name ")
print(last_name, first_name, sep=" ")
```

Input first name Venkat  
Input last name Mekala  
Mekala Venkat

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

```
In [5]: import math
r = 12/2
print((4/3)*math.pi*r**3)
```

904.7786842338603

