Python Assignment1

Submitted By: **Dheeraj Varshney**

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 [30]: m=[]

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

         # m
         print(m,end="")
```

```
[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, 2
366, 2373, 2387, 2394, 2401, 2408, 2422, 2429, 2436, 2443, 2457, 2464, 2471, 2478, 2492, 2499, 2506, 2513, 2527, 2534, 2541, 25
48, 2562, 2569, 2576, 2583, 2597, 2604, 2611, 2618, 2632, 2639, 2646, 2653, 2667, 2674, 2681, 2688, 2702, 2709, 2716, 2723, 273
7, 2744, 2751, 2758, 2772, 2779, 2786, 2793, 2807, 2814, 2821, 2828, 2842, 2849, 2856, 2863, 2877, 2884, 2891, 2898, 2912, 291
9, 2926, 2933, 2947, 2954, 2961, 2968, 2982, 2989, 2996, 3003, 3017, 3024, 3031, 3038, 3052, 3059, 3066, 3073, 3087, 3094, 310
1, 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 the reverse order with a space between first name and last name.

```
In [9]: a = input("Enter first name ")
        b = input("Enter last name ")

        c =a + " " + b
        c[::-1]
```

```
Enter first name Dheeraj
Enter last name Varshney
```

```
Out[9]: 'yenhsraV jareehD'
```

```
In [ ]:
```

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

```
In [13]: d = 12
         r = d/2
         pi = 3.14
         A = 4/3* pi*r*r*r
         print("Area of sphere is:" , A)
```

```
Area of sphere is: 904.3199999999998
```