Python 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 [16]:
```python
i = 2000
output = ''

while i < 3201:
    if i % 7 == 0 and i % 5 != 0:
        output += str(i)+','
    i += 1
print(output)
```

```
2002,2009,2016,2023,2037,2044,2051,2058,2072,2079,2086,2093,2107,2114
,2121,2128,2142,2149,2156,2163,2177,2184,2191,2198,2212,2219,2226,223
3,2247,2254,2261,2268,2282,2289,2296,2303,2317,2324,2331,2338,2352,23
59,2366,2373,2387,2394,2401,2408,2422,2429,2436,2443,2457,2464,2471,2
478,2492,2499,2506,2513,2527,2534,2541,2548,2562,2569,2576,2583,2597,
2604,2611,2618,2632,2639,2646,2653,2667,2674,2681,2688,2702,2709,2716
,2723,2737,2744,2751,2758,2772,2779,2786,2793,2807,2814,2821,2828,284
2,2849,2856,2863,2877,2884,2891,2898,2912,2919,2926,2933,2947,2954,29
61,2968,2982,2989,2996,3003,3017,3024,3031,3038,3052,3059,3066,3073,3
087,3094,3101,3108,3122,3129,3136,3143,3157,3164,3171,3178,3192,3199,
```

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

In [32]:
```python
first_name = input('Enter First Name:')
last_name = input('Enter Last Name:')
print(last_name+' '+first_name)
```

```
Enter First Name:Jon
Enter Last Name:Doe
Doe Jon
```

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

Formula: V=4/3 * π * r**3

```
In [30]: import math

         diameter = 12
         radius = diameter/2

         volume = (4/3) * math.pi * (radius**3)

         print(v)
```

904.7786842338603

```
In [ ]:
```