In [21]:

```python
#1. find all such numbers which are divisible by 7 but are not a multiple of 5, between
2000 and 3200
a=range(2000,3200)
b=[]
for i in a:
    if i%7==0 and i%5>0:
        b.append(i)
print(b)
```

[2002, 2009, 2016, 2023, 2037, 2044, 2051, 2058, 2072, 2079, 2086, 2093, 2
107, 2114, 2121, 2128, 2142, 2149, 2156, 2163, 2177, 2184, 2191, 2198, 221
2, 2219, 2226, 2233, 2247, 2254, 2261, 2268, 2282, 2289, 2296, 2303, 2317,
2324, 2331, 2338, 2352, 2359, 2366, 2373, 2387, 2394, 2401, 2408, 2422, 24
29, 2436, 2443, 2457, 2464, 2471, 2478, 2492, 2499, 2506, 2513, 2527, 253
4, 2541, 2548, 2562, 2569, 2576, 2583, 2597, 2604, 2611, 2618, 2632, 2639,
2646, 2653, 2667, 2674, 2681, 2688, 2702, 2709, 2716, 2723, 2737, 2744, 27
51, 2758, 2772, 2779, 2786, 2793, 2807, 2814, 2821, 2828, 2842, 2849, 285
6, 2863, 2877, 2884, 2891, 2898, 2912, 2919, 2926, 2933, 2947, 2954, 2961,
2968, 2982, 2989, 2996, 3003, 3017, 3024, 3031, 3038, 3052, 3059, 3066, 30
73, 3087, 3094, 3101, 3108, 3122, 3129, 3136, 3143, 3157, 3164, 3171, 317
8, 3192, 3199]

In [22]:

```python
#Python program to accept the user's first and last name
print("Enter your First Name")
i=input()
print("Enter your Second Name")
j=input()
y=i+j
print(y)
```

Enter your First Name

Enter your Second Name

KrupaShivakumar

In [15]:

```python
#Reverse order with a space between first name and last name
i[::-1]
```

Out[15]:

'ramukavihS apurK'

In [22]:

```python
#Python program to find the volume of a sphere with diameter 12 cm.d=12
v=(4/3)*(22/7)*(d/2)**3
print(v)
```

905.142857142857

In [9]:

```python
for k in range(0,5):
    for j in range(0,k+1):
        print("*" ,end="")
    print()
for k in range(5,0,-1):
    for j in range(0,k+1):
        print("*" ,end="")
    print()
```

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

In [14]:

```python
#Python program to reverse a word after accepting the input from the user.
i=input("input word:")
k=i[::-1]
y="output word:"
print(y+k)
```

```
output word:dliGdacA
```

In [21]:

```python
#Python Program to print the given string in the format specified in the sample output
print("WE, THE PEOPLE OF INDIA,\n\t having solemnly resolved to constitute India into a SOVEREIGN,!\n\t\t SOCIALIST, SECULAR, DEMOCRATIC REPUBLIC \n\t\t and to secure to all its citizens")
```

```
WE, THE PEOPLE OF INDIA,
         having solemnly resolved to constitute India into a SOVEREIGN,!
                 SOCIALIST, SECULAR, DEMOCRATIC REPUBLIC
                 and to secure to all its citizens
```

In [ ]: