2)write a program which will find all such numbers which are divisible by 7 but are **not** a mulitiple of 5 ,between 2000 **and** 3200(both included).the numbers obtained should be printed **in** a comma seperated sequence on a single line.

```python
#type(x)==int:
#type(y)==float:
for x in range(2000,3200):
    if(x%7)==0:
                y=x/5.0
                if (y%5)!=0:
                    print (str(x)+",",)
```

```
2002,
2009,
2016,
2023,
2030,
2037,
2044,
2051,
2058,
2065,
2072,
2079,
2086,
2093,
2107,
2114,
2121,
2128,
2135,
2142,
2149,
2156,
2163,
2170,
2177,
2184,
2191,
2198,
2205,
2212,
2219,
2226,
2233,
2240,
2247,
2254,
2261,
2268,
2282,
2289,
2296,
2303,
2310,
2317,
2324,
2331,
2338,
2345,
2352,
2359,
2366,
2373,
2380,
2387,
2394,
2401
```

2401,
2408,
2415,
2422,
2429,
2436,
2443,
2457,
2464,
2471,
2478,
2485,
2492,
2499,
2506,
2513,
2520,
2527,
2534,
2541,
2548,
2555,
2562,
2569,
2576,
2583,
2590,
2597,
2604,
2611,
2618,
2632,
2639,
2646,
2653,
2660,
2667,
2674,
2681,
2688,
2695,
2702,
2709,
2716,
2723,
2730,
2737,
2744,
2751,
2758,
2765,
2772,
2779,
2786,
2793,
2807,
2814,
2821,
2828,
2835,
2842,
2849,
2856,
2863,
2870,
2877,
2884,
2891,
2898,
2905,
2912,
2919,
2926,
2933,
2940,
2947,
2954,
2961

```
2961,
2968,
2982,
2989,
2996,
3003,
3010,
3017,
3024,
3031,
3038,
3045,
3052,
3059,
3066,
3073,
3080,
3087,
3094,
3101,
3108,
3115,
3122,
3129,
3136,
3143,
3157,
3164,
3171,
3178,
3185,
3192,
3199,
```

In [9]:

```python
list=[x for x in range(2000,3200) if x%7==0 and x%5!=0]
print(list)
```

```
[2002, 2009, 2016, 2023, 2037, 2044, 2051, 2058, 2072, 2079, 2086, 2093, 2107, 2114, 2121, 2128, 21
42, 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, 242
9, 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, 271
6, 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, 300
3, 3017, 3024, 3031, 3038, 3052, 3059, 3066, 3073, 3087, 3094, 3101, 3108, 3122, 3129, 3136, 3143,
3157, 3164, 3171, 3178, 3192, 3199]
```

In [ ]:

```
3)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 [18]:

```python
firstname=input("what is your first name?:")
lastname=input("what is your last name?:")
fn=firstname[::-1]
ln=lastname[::-1]
print(fn,"",ln)
```

```
what is your first name?:shaik
what is your last name?:roona anjum
kiahs  mujna anoor
```

In [ ]:

```
4)write a program to find the volume of a sphere with diameter 12cm
formula v=4/3*pi*r3.
```

```python
import math
pi=math.pi
r=float(12/2)
v=(float(4/3)*(pi)*(r)**3)
print(v)
```

904.7786842338603

In [ ]:

```
task2:
1) write a program which accepts a sequence of comma-separated numbers from console and generate a
list.
```

In [25]:

```python
s=input("input some comma seprated numbers:")
list=s.split(",")
print('list:',list)
```

```
input some comma seprated numbers:10,20,30,40,50
list: ['10', '20', '30', '40', '50']
```

In [ ]:

```
2)create the below pattern using nested for loop in python
```

In [20]:

```python
n=5;
for i in range(n):
    for j in range(i):
        print('*',end="")
    print('')


for i in range(n,0,-1):
    for j in range(i):
        print('*',end="")
    print('')
n
```

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

Out[20]:

5

In [ ]:

```
3)write a python program to reverse a word after accepting the input from the user.
```

In [1]:

```python
s=input("enter a  inputword:")
print(s[::-1])
```

enter a inputword:AcadGild

dliGdacA

In [ ]:

```
4)write a python program to print the given string in the format specified in the sample output.
     We, THE PEOPLE OF INDIA,\n\thaving solemnly resolved to constitute India into a
     SOVEREIGN,!\n\tSOCIALIST,SECULAR,DEMOCRATIC REPUBLIC\n\t\t and to secure to all
     its citizens
```

In [25]:

```
print("We, THE PEOPLE OF INDIA,\n\thaving solemnly resolved to constitute India into a SOVEREIGN,!
\n\tSOCIALIST,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 [ ]:

In [ ]:

In [ ]: