

In [1]:

```
#divisible by 5 but not a multiple of 5
l=[]
for i in range(2000,3201):
    if(i%7==0 and i%5!=0):
        l.append(i)
for i in range(len(l)):
    print(l[i],end="")
    if(i<len(l)-1):
        print(",",end="")
```

2002,2009,2016,2023,2037,2044,2051,2058,2072,2079,2086,2093,2107,2114,2121,2128,2142,2149,2156,2163,2177,2184,2191,2198,2212,2219,2226,2233,2247,2254,2261,2268,2282,2289,2296,2303,2317,2324,2331,2338,2352,2359,2366,2373,2387,2394,2401,2408,2422,2429,2436,2443,2457,2464,2471,2478,2492,2499,2506,2513,2527,2534,2541,2548,2562,2569,2576,2583,2597,2604,2611,2618,2632,2639,2646,2653,2667,2674,2681,2688,2702,2709,2716,2723,2737,2744,2751,2758,2772,2779,2786,2793,2807,2814,2821,2828,2842,2849,2856,2863,2877,2884,2891,2898,2912,2919,2926,2933,2947,2954,2961,2968,2982,2989,2996,3003,3017,3024,3031,3038,3052,3059,3066,3073,3087,3094,3101,3108,3122,3129,3136,3143,3157,3164,3171,3178,3192,3199

In [2]:

```
#first name and last name in reverse order
n=input().split()
str=n[::-1]
for i in str:
    print(i,end=" ")
```

Chelseaya S
S Chelseaya

In [3]:

```
#volume of a sphere with diameter 12 cm
diameter=int(input())
radius=diameter//2
print((4/3)*3.14*radius**3)
```

12
904.3199999999999

In [4]:

```
#accepts a sequence of comma-separated numbers from console and generate a list.
l=list(map(int,input().split(",")))
print(l)
```

1,2,3,4,5
[1, 2, 3, 4, 5]

In [5]:

```
#pattern using nested for loop
k=1
for i in range(0,10):
    for j in range(0,k):
        print("*",end=" ")
    print()
    if(i<(9/2)-1):
        k+=1
    else:
        k-=1
```

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

In [6]:

```
#reverse a word after accepting the input from the user
n=input().strip()
print(n[::-1])
```

AcadGild
dliGdacA

In [7]:

```
#print the given string in the format specified
string='WE, THE PEOPLE OF INDIA, having solemnly resolved to constitute India into a SOVEREIGN, !\n\
result= string.replace("INDIA, ", "INDIA,\n        ").replace("SOVEREIGN, ", "SOVEREIGN, !\n\
print(result)
```

```
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 []: