

Task 1 :

Question 1 :

```
In [1]: range(10)
Out[1]: range(0, 10)

In [2]: list(range(10))
Out[2]: [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]
```

Question 2 :

`x = range(2000,3201)`

for i in x:

if `i%7 == 0` and `i%5 != 0`:

`print(i, end = ",")`

```
In [54]: x = range(2000,3201)
for i in x:
    if i%7 == 0 and i%5 != 0:
        print(i, end = ",")

2002,2009,2016,2023,2037,2044,2051,2058,2072,2079,2086,2093,2107,2114,2121,2128,2142,2149,2156,2163,2177,2184,2191,2198,221
2,2219,2226,2233,2247,2254,2261,2268,2282,2289,2296,2303,2317,2324,2331,2338,2352,2359,2366,2373,2387,2394,2401,2408,2422,2
429,2436,2443,2457,2464,2471,2478,2492,2499,2506,2513,2527,2534,2541,2548,2562,2569,2576,2583,2597,2604,2611,2618,2632,263
9,2646,2653,2667,2674,2681,2688,2702,2709,2716,2723,2737,2744,2751,2758,2772,2779,2786,2793,2807,2814,2821,2828,2842,2849,2
856,2863,2877,2884,2891,2898,2912,2919,2926,2933,2947,2954,2961,2968,2982,2989,2996,3003,3017,3024,3031,3038,3052,3059,306
6,3073,3087,3094,3101,3108,3122,3129,3136,3143,3157,3164,3171,3178,3192,3199,
```

Question 3 :

`First = input()`

`Last = input()`

`x = []`

`First = First[::-1]`

`Last = Last[::-1]`

`final = x.append>Last)`

`final = x.append(First)`

```
y = " ".join(x)
```

```
print(y)
```

```
Saurabh  
Kulkarni  
inrakluK hbaruaS
```

Question 4 :

```
r = 6
```

```
Volume = 3.14 * r * r * r
```

```
print("Volume of Sphere having diameter 12 : ", Volume)
```

Question 4

```
In [56]: r = 6  
Volume = 3.14 * r * r * r  
print("Volume of Sphere having diameter 12 : ", Volume)  
  
Volume of Sphere having diameter 12 : 678.24
```

Task 2 :

Question 1 :

```
Numbers = input("Enter comma separated numbers : ")
```

```
lst = Numbers.split(",")
```

```
print(lst)
```

```
In [62]: Numbers = input("Enter comma separated numbers : ")  
lst = Numbers.split(",")  
print(lst)  
  
Enter comma separated numbers1,2,3,4,5  
['1', '2', '3', '4', '5']
```

Question 2 :

```
for i in range(1,5):
```

```
    print(i**i)
```

```
print(i**i)
```

Question 3:

```
print(Word[::-1])
```

Question 4 :

```
print(string.format('\n\t','!\n\t\t','\n\t\t\t',':'))
```

```
In [49]: string = "WE, THE PEOPLE OF INDIA,{}having solemnly resolved to constitute India into a SOVEREIGN, !!{} SOCIALIST, SECULAR, D
print(string.format('\n\t','!\n\t\t','\n\t\t\t\t','.'))
```

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