

**Assignment -1**  
Python Programming

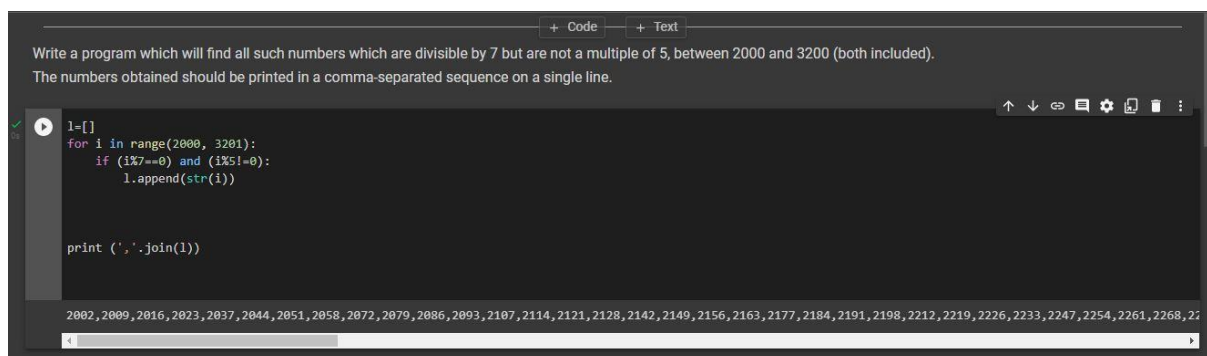
Assignment Date	16 November 2022
Student Name	Maheswari.S
Student Roll Number	211519205091
Maximum Marks	2 Marks

**Question-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.

```
l=[]
for i in range(2000, 3201):
    if (i%7==0) and (i%5!=0):
        l.append(str(i))

print(','.join(l))
```



```
+ Code | + Text
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.

l=[]
for i in range(2000, 3201):
    if (i%7==0) and (i%5!=0):
        l.append(str(i))

print(','.join(l))

2002,2009,2016,2023,2037,2044,2051,2058,2072,2079,2086,2093,2107,2114,2121,2128,2142,2149,2156,2163,2177,2184,2191,2198,2212,2219,2226,2233,2247,2254,2261,2268,2275,2282,2289,2296,2303,2317,2324,2331,2338,2352,2359,2366,2373,2380,2387,2394,2401,2408,2415,2422,2429,2436,2443,2450,2457,2464,2471,2478,2485,2492,2499,2506,2513,2520,2527,2534,2541,2548,2555,2562,2569,2576,2583,2590,2597,2604,2611,2618,2625,2632,2639,2646,2653,2660,2667,2674,2681,2688,2695,2702,2709,2716,2723,2730,2737,2744,2751,2758,2765,2772,2779,2786,2793,2800,2807,2814,2821,2828,2835,2842,2849,2856,2863,2870,2877,2884,2891,2898,2905,2912,2919,2926,2933,2940,2947,2954,2961,2968,2975,2982,2989,2996,3003,3010,3017,3024,3031,3038,3045,3052,3059,3066,3073,3080,3087,3094,3101,3108,3115,3122,3129,3136,3143,3150,3157,3164,3171,3178,3185,3192,3199
```

**Question-2:**

With a given integral number n, write a program to generate a dictionary that contains (i, i\*i) such that i is an integral number between 1 and n (both included). and then the program should print the dictionary.

Suppose the following input is supplied to the program:

8

Then, the output should be:

{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64}

```
n=int(input())
```

```
d=dict()

for i in range(1,n+1):
    d[i]=i*i

print(d)
```

With a given integral number n, write a program to generate a dictionary that contains (i, i<sup>2</sup>) such that i is an integral number between 1 and n (both included). and then the program should print the dictionary.

Suppose the following input is supplied to the program: 8

Then, the output should be: {1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64}

```
[4]
n=int(input())

d=dict()

for i in range(1,n+1):
    d[i]=i*i

print(d)
```

```
8
{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64}
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