

Assignment -1
Python Programming

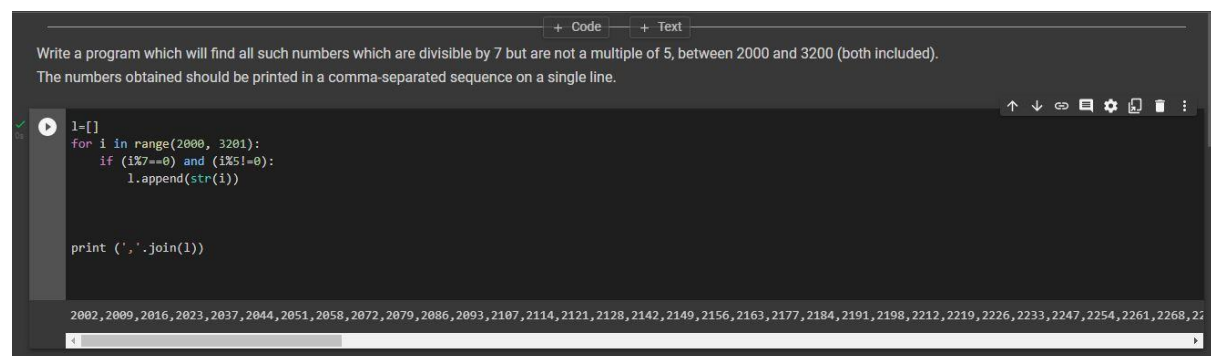
Assignment Date	19 November 2022
Student Name	Swathika.R
Student Roll Number	211519205165
Maximum Marks	2 Marks

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))

2002,2009,2016,2023,2037,2044,2051,2058,2072,2079,2086,2093,2107,2114,2121,2128,2142,2149,2156,2163,2177,2184,2191,2198,2212,2219,2226,2233,2247,2254,2261,2268,2275,2282,2289,2296,2303,2310,2317,2324,2331,2338,2352,2359,2366,2373,2380,2387,2394,2401,2408,2415,2422,2429,2436,2443,2450,2457,2464,2471,2478,2485,2492,2500,2507,2514,2521,2528,2535,2542,2549,2556,2563,2570,2577,2584,2591,2598,2605,2612,2619,2626,2633,2640,2647,2654,2661,2668,2675,2682,2689,2696,2703,2710,2717,2724,2731,2738,2745,2752,2759,2766,2773,2780,2787,2794,2801,2808,2815,2822,2829,2836,2843,2850,2857,2864,2871,2878,2885,2892,2899,2906,2913,2920,2927,2934,2941,2948,2955,2962,2969,2976,2983,2990,2997,3004,3011,3018,3025,3032,3039,3046,3053,3060,3067,3074,3081,3088,3095,3102,3109,3116,3123,3130,3137,3144,3151,3158,3165,3172,3179,3186,3193,3199
```

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, i²) 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}
```