

Assignment -1
Python Programming

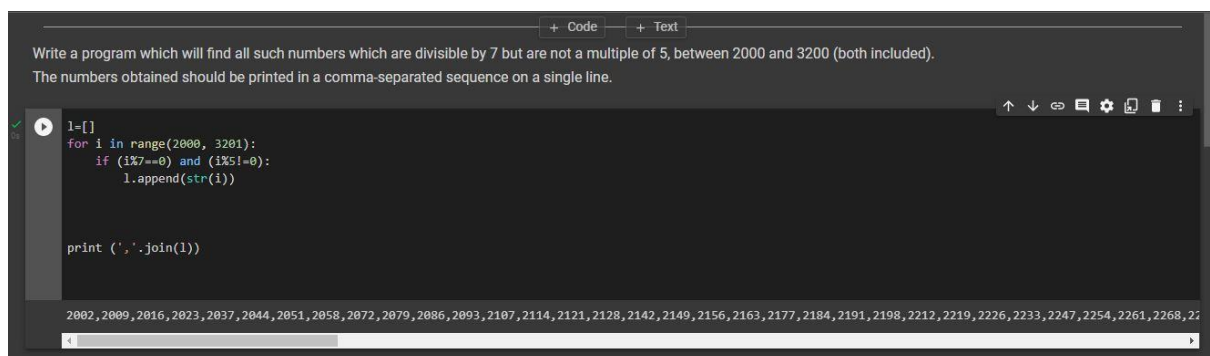
Assignment Date	16 November 2022
Student Name	Yamini M
Student Roll Number	211519205180
Maximum Marks	2 Marks

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))
```



The screenshot shows a code editor with a dark theme. At the top, there are tabs for '+ Code' and '+ Text'. Below the tabs, the problem statement is repeated: '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.' The code from the previous block is pasted into the editor. Below the code, the output is displayed: '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, 2303, 2310, 2317, 2324, 2337, 2344, 2351, 2358, 2372, 2379, 2386, 2393, 2407, 2414, 2421, 2428, 2442, 2449, 2456, 2463, 2477, 2484, 2491, 2498, 2512, 2519, 2526, 2533, 2547, 2554, 2561, 2568, 2575, 2582, 2589, 2603, 2610, 2617, 2624, 2637, 2644, 2651, 2658, 2672, 2679, 2686, 2693, 2707, 2714, 2721, 2728, 2742, 2749, 2756, 2763, 2777, 2784, 2791, 2798, 2812, 2819, 2826, 2833, 2847, 2854, 2861, 2868, 2875, 2882, 2889, 2903, 2910, 2917, 2924, 2937, 2944, 2951, 2958, 2972, 2979, 2986, 2993, 3007, 3014, 3021, 3028, 3042, 3049, 3056, 3063, 3077, 3084, 3091, 3098, 3112, 3119, 3126, 3133, 3147, 3154, 3161, 3168, 3175, 3182, 3189, 3196, 3203, 3210, 3217, 3224, 3237, 3244, 3251, 3258, 3272, 3279, 3286, 3293, 3307, 3314, 3321, 3328, 3342, 3349, 3356, 3363, 3377, 3384, 3391, 3398, 3412, 3419, 3426, 3433, 3447, 3454, 3461, 3468, 3475, 3482, 3489, 3503, 3510, 3517, 3524, 3537, 3544, 3551, 3558, 3572, 3579, 3586, 3593, 3607, 3614, 3621, 3628, 3642, 3649, 3656, 3663, 3677, 3684, 3691, 3698, 3712, 3719, 3726, 3733, 3747, 3754, 3761, 3768, 3775, 3782, 3789, 3803, 3810, 3817, 3824, 3837, 3844, 3851, 3858, 3872, 3879, 3886, 3893, 3907, 3914, 3921, 3928, 3942, 3949, 3956, 3963, 3977, 3984, 3991, 3998, 4012, 4019, 4026, 4033, 4047, 4054, 4061, 4068, 4075, 4082, 4089, 4103, 4110, 4117, 4124, 4137, 4144, 4151, 4158, 4172, 4179, 4186, 4193, 4207, 4214, 4221, 4228, 4242, 4249, 4256, 4263, 4277, 4284, 4291, 4298, 4312, 4319, 4326, 4333, 4347, 4354, 4361, 4368, 4375, 4382, 4389, 4403, 4410, 4417, 4424, 4437, 4444, 4451, 4458, 4472, 4479, 4486, 4493, 4507, 4514, 4521, 4528, 4542, 4549, 4556, 4563, 4577, 4584, 4591, 4598, 4612, 4619, 4626, 4633, 4647, 4654, 4661, 4668, 4675, 4682, 4689, 4703, 4710, 4717, 4724, 4737, 4744, 4751, 4758, 4772, 4779, 4786, 4793, 4807, 4814, 4821, 4828, 4842, 4849, 4856, 4863, 4877, 4884, 4891, 4898, 4912, 4919, 4926, 4933, 4947, 4954, 4961, 4968, 4975, 4982, 4989, 5003, 5010, 5017, 5024, 5037, 5044, 5051, 5058, 5072, 5079, 5086, 5093, 5107, 5114, 5121, 5128, 5142, 5149, 5156, 5163, 5177, 5184, 5191, 5198, 5212, 5219, 5226, 5233, 5247, 5254, 5261, 5268, 5275, 5282, 5289, 5303, 5310, 5317, 5324, 5337, 5344, 5351, 5358, 5372, 5379, 5386, 5393, 5407, 5414, 5421, 5428, 5442, 5449, 5456, 5463, 5477, 5484, 5491, 5498, 5512, 5519, 5526, 5533, 5547, 5554, 5561, 5568, 5575, 5582, 5589, 5603, 5610, 5617, 5624, 5637, 5644, 5651, 5658, 5672, 5679, 5686, 5693, 5707, 5714, 5721, 5728, 5742, 5749, 5756, 5763, 5777, 5784, 5791, 5798, 5812, 5819, 5826, 5833, 5847, 5854, 5861, 5868, 5875, 5882, 5889, 5903, 5910, 5917, 5924, 5937, 5944, 5951, 5958, 5972, 5979, 5986, 5993, 6007, 6014, 6021, 6028, 6042, 6049, 6056, 6063, 6077, 6084, 6091, 6098, 6112, 6119, 6126, 6133, 6147, 6154, 6161, 6168, 6175, 6182, 6189, 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7626, 7633, 7647, 7654, 7661, 7668, 7675, 7682, 7689, 7703, 7710, 7717, 7724, 7737, 7744, 7751, 7758, 7772, 7779, 7786, 7793, 7807, 7814, 7821, 7828, 7842, 7849, 7856, 7863, 7877, 7884, 7891, 7898, 7912, 7919, 7926, 7933, 7947, 7954, 7961, 7968, 7975, 7982, 7989, 8003, 8010, 8017, 8024, 8037, 8044, 8051, 8058, 8072, 8079, 8086, 8093, 8107, 8114, 8121, 8128, 8142, 8149, 8156, 8163, 8177, 8184, 8191, 8198, 8212, 8219, 8226, 8233, 8247, 8254, 8261, 8268, 8275, 8282, 8289, 8303, 8310, 8317, 8324, 8337, 8344, 8351, 8358, 8372, 8379, 8386, 8393, 8407, 8414, 8421, 8428, 8442, 8449, 8456, 8463, 8477, 8484, 8491, 8498, 8512, 8519, 8526, 8533, 8547, 8554, 8561, 8568, 8575, 8582, 8589, 8603, 8610, 8617, 8624, 8637, 8644, 8651, 8658, 8672, 8679, 8686, 8693, 8707, 8714, 8721, 8728, 8742, 8749, 8756, 8763, 8777, 8784, 8791, 8798, 8812, 8819, 8826, 8833, 8847, 8854, 8861, 8868, 8875, 8882, 8889, 8903, 8910, 8917, 8924, 8937, 8944, 8951, 8958, 8972, 8979, 8986, 8993, 9007, 9014, 9021, 9028, 9042, 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```
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}
```