Assignment -1
Python Programming
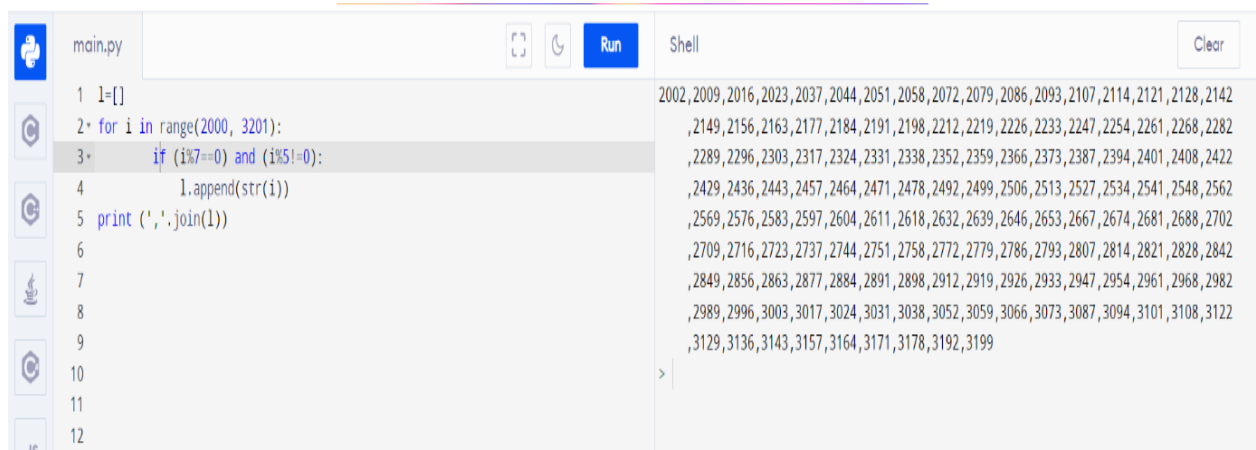
Assignment Date	19 September 2022
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Maximum Marks	2 Marks

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.

SOLUTION:

l=[]

for i in range(2000, 3201):

      if (i%7==0) and (i%5!=0):

         l.append(str(i))

print (','.join(l))

```
main.py                                    Run    Shell                                                                    Clear
1  l=[]                                            2002,2009,2016,2023,2037,2044,2051,2058,2072,2079,2086,2093,2107,2114,2121,2128,2142
2  for i in range(2000, 3201):                     ,2149,2156,2163,2177,2184,2191,2198,2212,2219,2226,2233,2247,2254,2261,2268,2282
3      if (i%7==0) and (i%5!=0):                    ,2289,2296,2303,2317,2324,2331,2338,2352,2359,2366,2373,2387,2394,2401,2408,2422
4          l.append(str(i))                         ,2429,2436,2443,2457,2464,2471,2478,2492,2499,2506,2513,2527,2534,2541,2548,2562
5  print (','.join(l))                             ,2569,2576,2583,2597,2604,2611,2618,2632,2639,2646,2653,2667,2674,2681,2688,2702
6                                                   ,2709,2716,2723,2737,2744,2751,2758,2772,2779,2786,2793,2807,2814,2821,2828,2842
7                                                   ,2849,2856,2863,2877,2884,2891,2898,2912,2919,2926,2933,2947,2954,2961,2968,2982
8                                                   ,2989,2996,3003,3017,3024,3031,3038,3052,3059,3066,3073,3087,3094,3101,3108,3122
9                                                   ,3129,3136,3143,3157,3164,3171,3178,3192,3199
10                                                 >
11
12
```

Question-2:

With a given integral number n, write a program to generate a dictionary that contains (i, i*i) such that 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:
7

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

SOLUTION:

```python
n=int(input())
d=dict()
for i in range(1,n+1):
    d[i]=i*i


print (d)
```