

ASSIGNMENT-1

PHASE-1

TECHNOLOGY: CLOUD APPLICATION DEVELOPMENT

TOPIC: SMART FASHION RECOMMENDER APPICATION

TEAM LEADER:

RAMKUMAR.R

TEAM MEMBERS:

- **HARIHARAN.R**
- **MANOJKUMAR.K**
- **RAGU.L**
- **SANJAI.J**

TEAM SIZE: 5

TEAM MENTOR: SOWJANYA, SANDEEP

TEAM FACULTY: S.UMARANI

Q. No: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:



```
1 l=[]
2 for i in range(2000, 3201):
3     if(i%7==0)and(i%5!=0):
4         l.append(str(i))
5 print(','.join(l))
```

Run



```
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, 2282
, 2289, 2296, 2303, 2317, 2324, 2331, 2338, 2352
, 2359, 2366, 2373, 2387, 2394, 2401, 2408, 2422
, 2429, 2436, 2443, 2457, 2464, 2471, 2478, 2492
, 2499, 2506, 2513, 2527, 2534, 2541, 2548, 2562
, 2569, 2576, 2583, 2597, 2604, 2611, 2618, 2632
, 2639, 2646, 2653, 2667, 2674, 2681, 2688, 2702
, 2709, 2716, 2723, 2737, 2744, 2751, 2758, 2772
, 2779, 2786, 2793, 2807, 2814, 2821, 2828, 2842
, 2849, 2856, 2863, 2877, 2884, 2891, 2898, 2912
, 2919, 2926, 2933, 2947, 2954, 2961, 2968, 2982
, 2989, 2996, 3003, 3017, 3024, 3031, 3038, 3052
, 3059, 3066, 3073, 3087, 3094, 3101, 3108, 3122
, 3129, 3136, 3143, 3157, 3164, 3171, 3178, 3192
, 3199
> |
```

Q. NO: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.

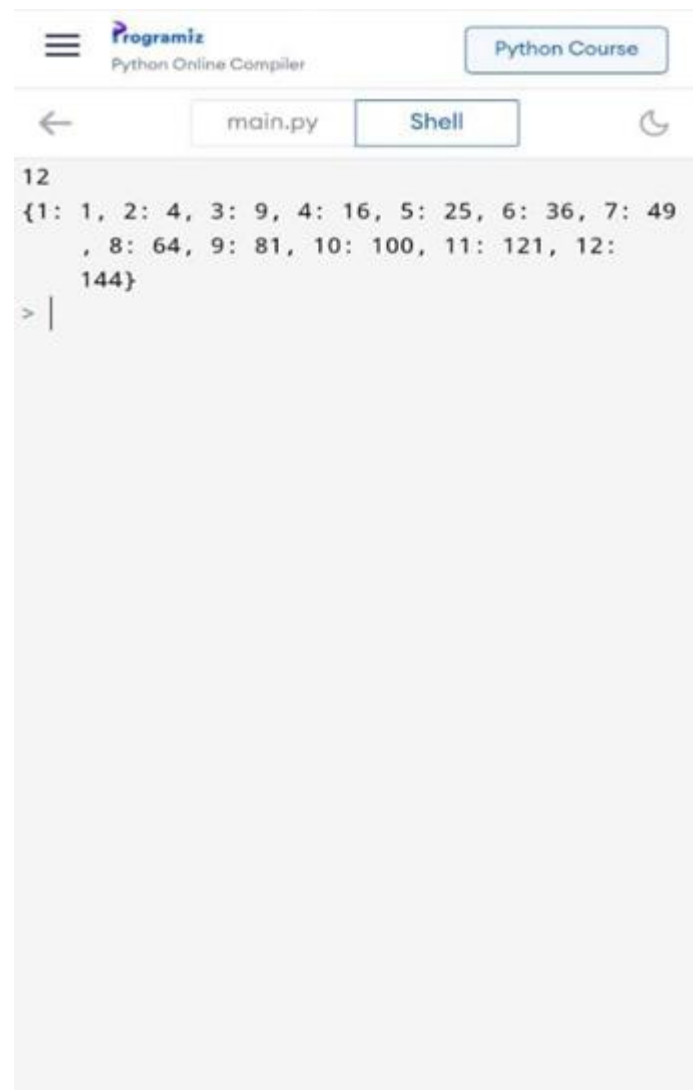
Solution:



The screenshot shows the Programiz Python Online Compiler interface. At the top, there is a logo for Programiz and a button labeled "Python Course". Below the header, there is a navigation bar with a back arrow, a tab labeled "main.py", and a tab labeled "Shell". The main area contains the following Python code:

```
1 n=int(input())
2 d=dict()
3- for i in range(1,n+1):
4     d[i]=i*i
5 print (d)
```

At the bottom right, there is a blue button labeled "Run".



The screenshot shows the Programiz Python Online Compiler interface with the "Shell" tab selected. The output of the program is displayed as follows:

```
12
{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49
, 8: 64, 9: 81, 10: 100, 11: 121, 12:
144}
> |
```