ASSIGNMENT-1

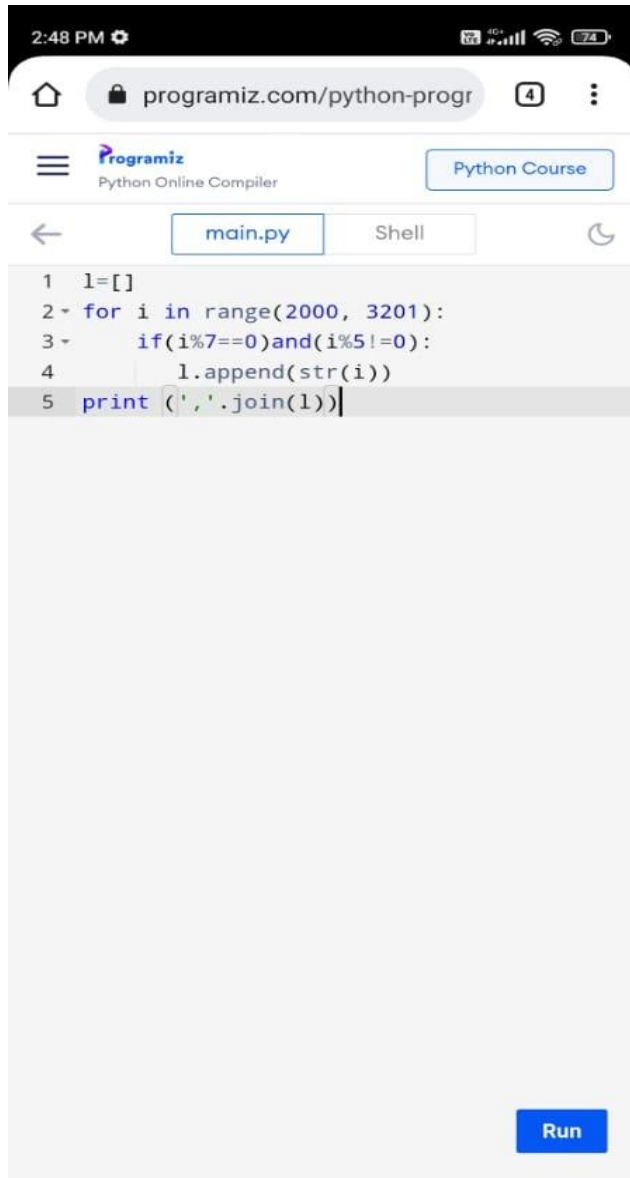**PHASE-1**

TECHNOLOGY: CLOUD APPLICATION DEVELOPMENT

DOMAIN: RETAILS AND E-COMMERCE

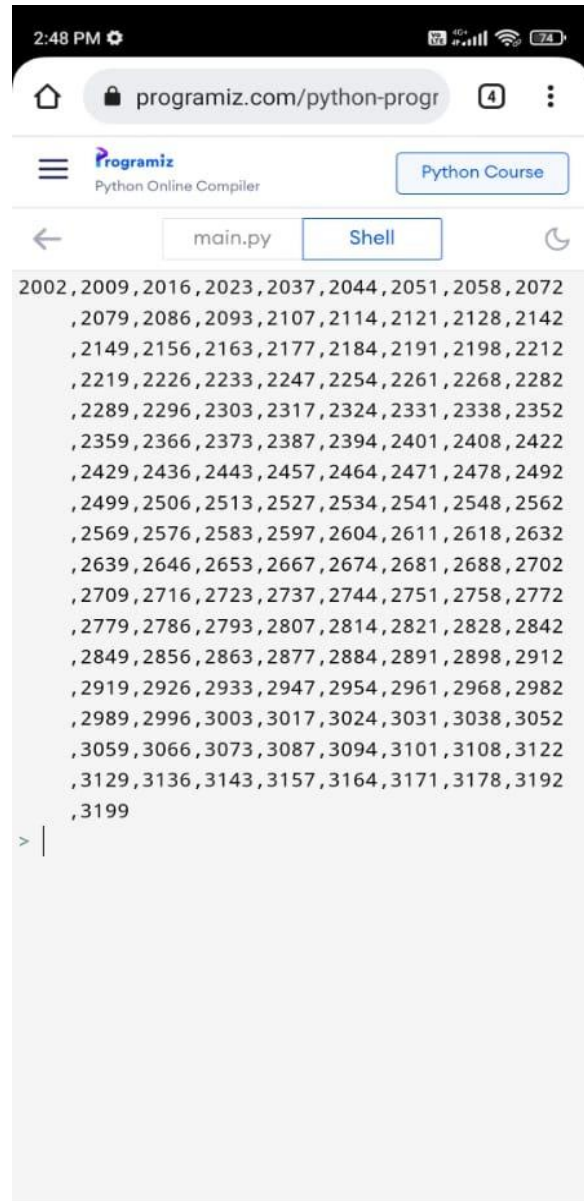**TOPIC: SMART FASHION RECOMMENDER APPICATION**

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:

main.py | Shell

```python
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))
```
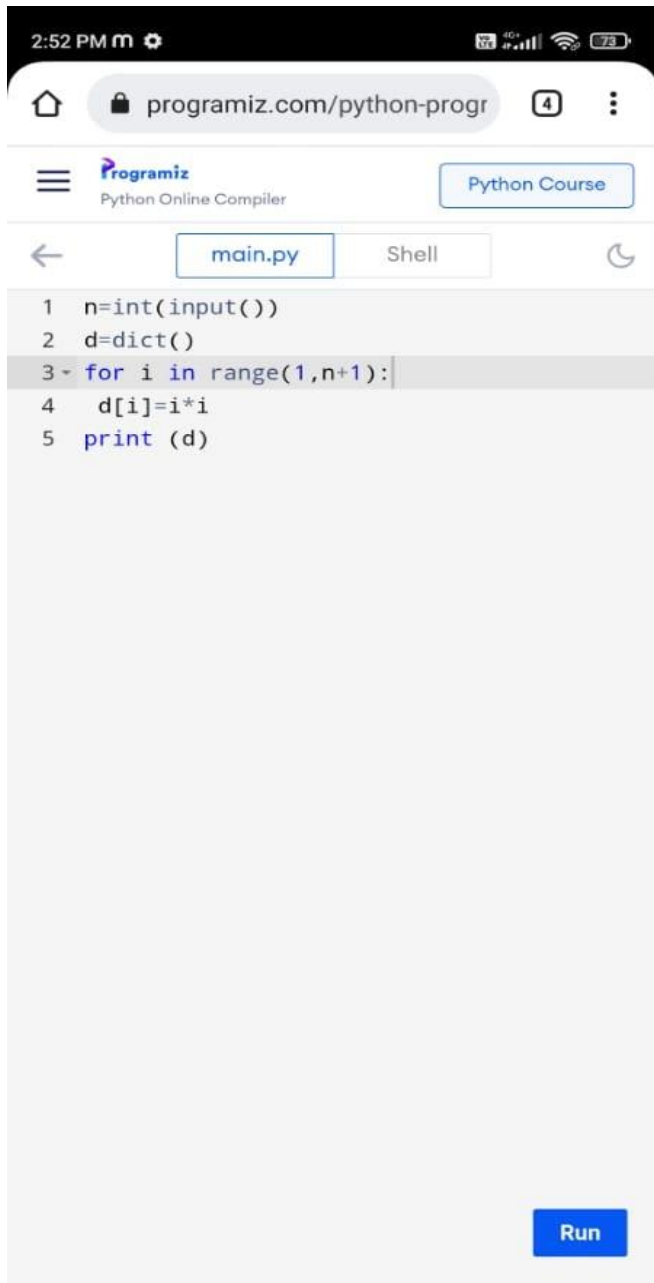
Run

main.py | Shell

```
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 is an integral number between 1 and n (both included). and then the program should print the dictionary.
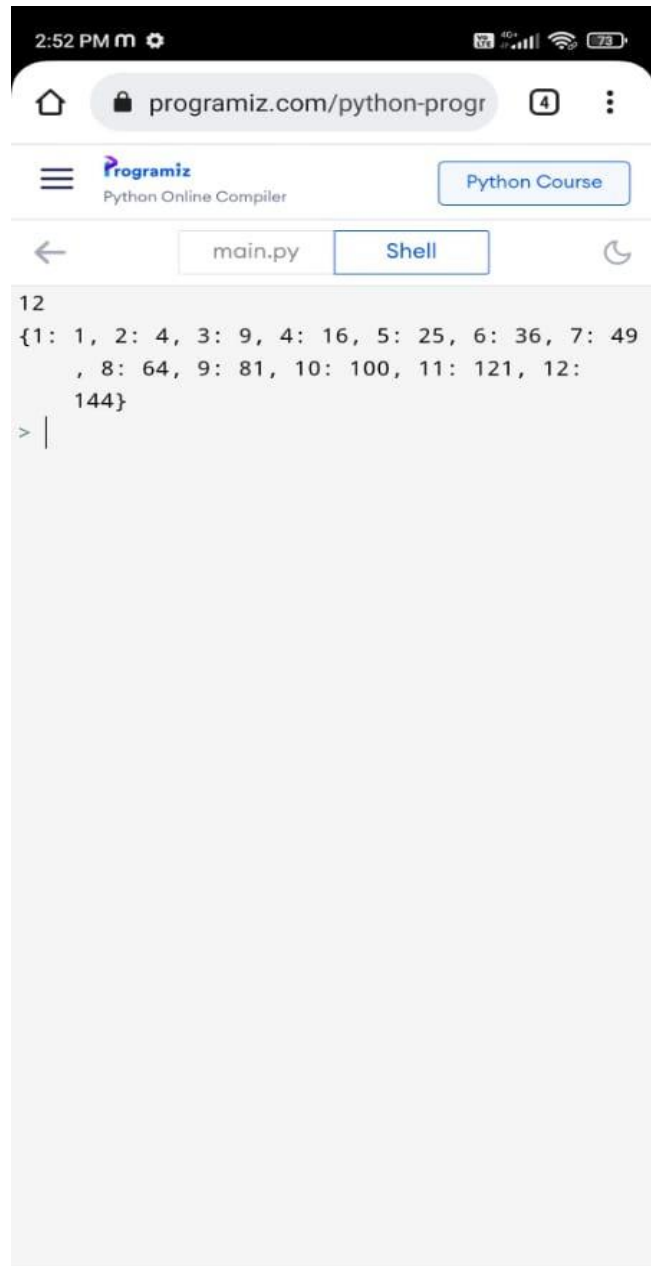
Solution:

Programiz
Python Online Compiler   Python Course

←   main.py   Shell   ☾

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

Run

Programiz
Python Online Compiler   Python Course

←   main.py   Shell   ☾

```
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}
> |
```

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- **YUVASHREE.S**

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