

## 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 :

```
numarray=[]


for i in range(2000,3200):

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












        numarray.append(str(i))

print(" The number which is divisible by 7 & not multiple of 5 are :")

print (' , '.join(numarray))
```

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main.py

Run

```
1 numarray=[]
2 for i in range(2000, 3201):
3     if (i%7==0) and (i%5!=0):
4         numarray.append(str(i))
5 print("The Numbers which is divisible by 7 & not multiple of 5 are:")
6 print("\n")
7 print (' , '.join(numarray))
```

Shell

Clear

```
The Numbers which is divisible by 7 & not multiple of 5 are:

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

> |
```

## 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:

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Then, the output should be:

{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64}

## SOLUTION

```
n= int(input("Enter the Number"))
d=dict()
for i in range(1,n+1):
    d[i]=i*i
print(" The number and it's square number are ");
print(d);
```

main.py	Run	Shell
<pre>1 n=int(input("Enter the Number")) 2 d=dict() 3 for i in range(1,n+1): 4     d[i]=i*i 5 print("The number and its square number are\n") 6 print(d)</pre>		<pre>Enter the Number 6 6 The number and its square number are {1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36} &gt;  </pre>

