

**Assignment -1**  
Python Programming

Assignment Date	1 September 2022
Student Name	Sudarsanan k
Student Roll Number	19P136
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 commaseparated sequence on a single line.

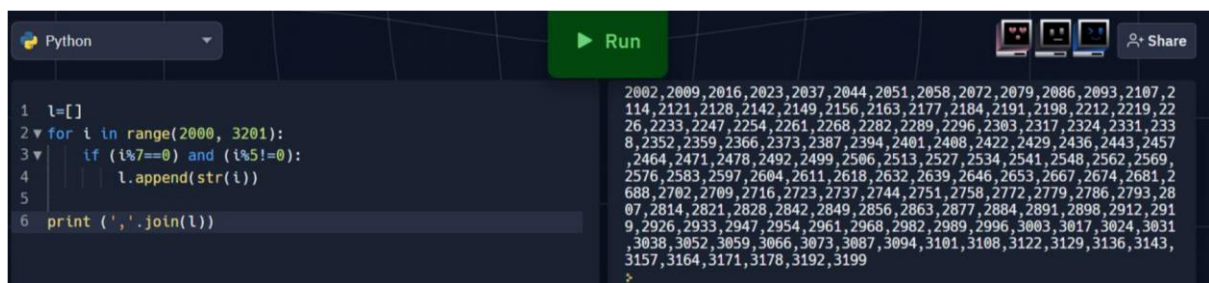
**Solution:**

```
l=[]      for i in range(2000,
3201):    if (i%7==0) and
(i%5!=0): l.append(str(i))

print(','.join(l))

#-----#

#-----#
```



The screenshot shows a Python IDE with a dark theme. On the left, the code editor contains the following code:

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

On the right, the output window displays a long list of numbers separated by commas, representing all numbers between 2000 and 3200 that are divisible by 7 but not by 5. The numbers start with 2002 and end with 3199.

**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:

8

Then, the output should be:

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

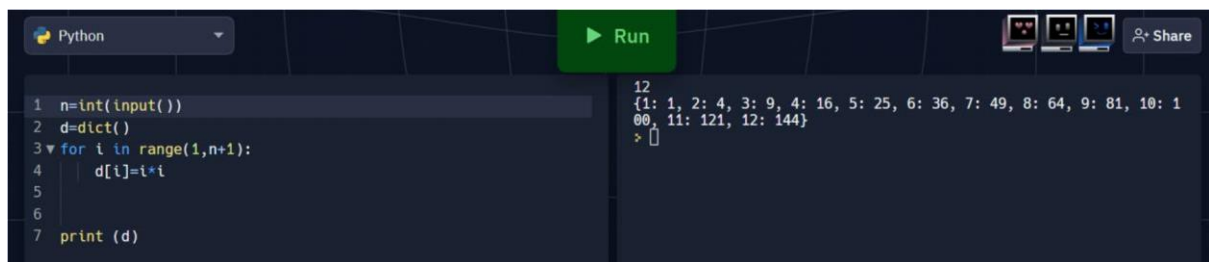
**Solution:**

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

```
print d
```

```
#-----#
```

```
#-----#
```



The screenshot shows a Python IDE interface. On the left, a code editor displays the following code:

```
1 n=int(input())
2 d=dict()
3 for i in range(1,n+1):
4     d[i]=i*i
5
6
7 print (d)
```

On the right, there is a green 'Run' button and a 'Share' button. Below the code editor, the output is displayed in a dark-themed console. The output shows the dictionary {1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81, 10: 100, 11: 121, 12: 144} and a prompt character '>'.