Assignment -1

Python Programming

Date	07 November 2022
Team ID	PNT2022TMID01183
Project Name	IOT based child safety monitoring system
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))
#------#
```



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:

```
Python

1 n=int(input())
2 d=dict()
3 v for i in range(1,n+1):
4 | d[i]=i*i

7 print (d)

PRun

2 Share

2 Share

2 Share

2 Share
```