

**Assignment -4**  
Python Programming

Assignment Date	1 November 2022
Student Name	Kavin Bharathi JP
Student Roll Number	7179KCTKCTKCTKCTKCT19BEC172
Maximum Marks	2 Marks

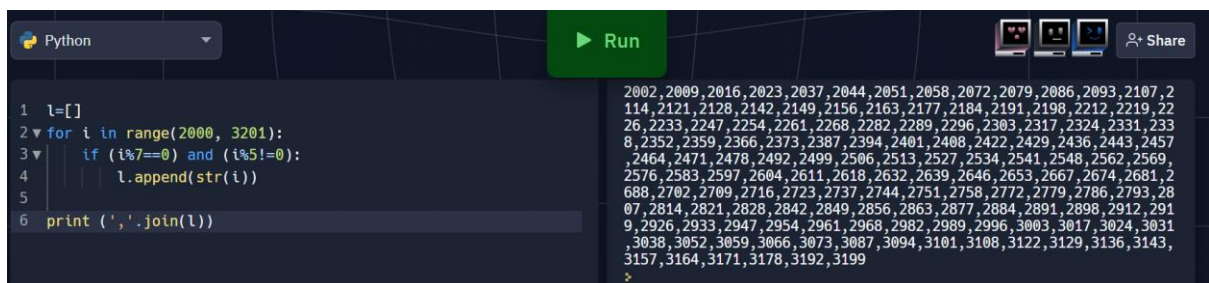
**Question-1:**

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:**

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

print(','.join(l))
#-----#
#-----#
```

A screenshot of a Python IDE interface. On the left, a code editor shows the following Python 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))
```

A green 'Run' button is visible above the code. On the right, the output of the program is displayed as a long, single-line string of numbers separated by commas, starting with 2002 and ending with 3199. The output is wrapped across multiple lines in the display area.

**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:

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()
```

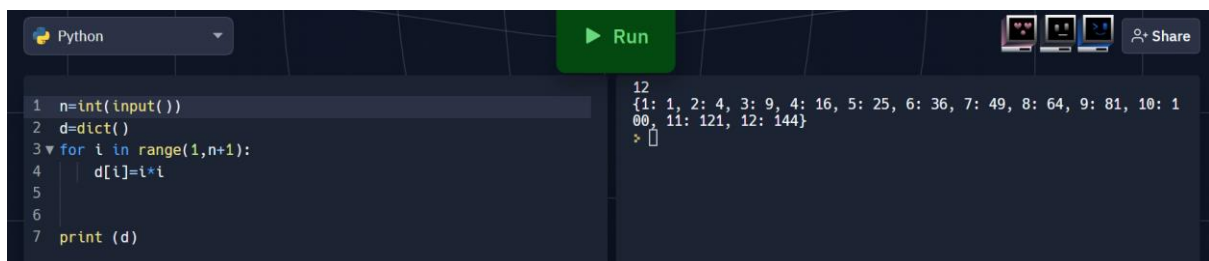
```
for i in range(1,n+1):
```

```
    d[i]=i*i
```

```
print d
```

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

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



The screenshot shows a Python IDE with a dark theme. On the left, a code editor 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
6
7 print (d)
```

A green 'Run' button is located to the right of the code editor. On the right side of the IDE, the output is displayed. It shows the number '12' on the first line, followed by the dictionary representation: '{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81, 10: 100, 11: 121, 12: 144}'. Below the output, there is a prompt character '➤' followed by an empty list '[]'. In the top right corner of the IDE, there are icons for a file explorer, a terminal, and a 'Share' button.