

Assignment -1
Python Programming

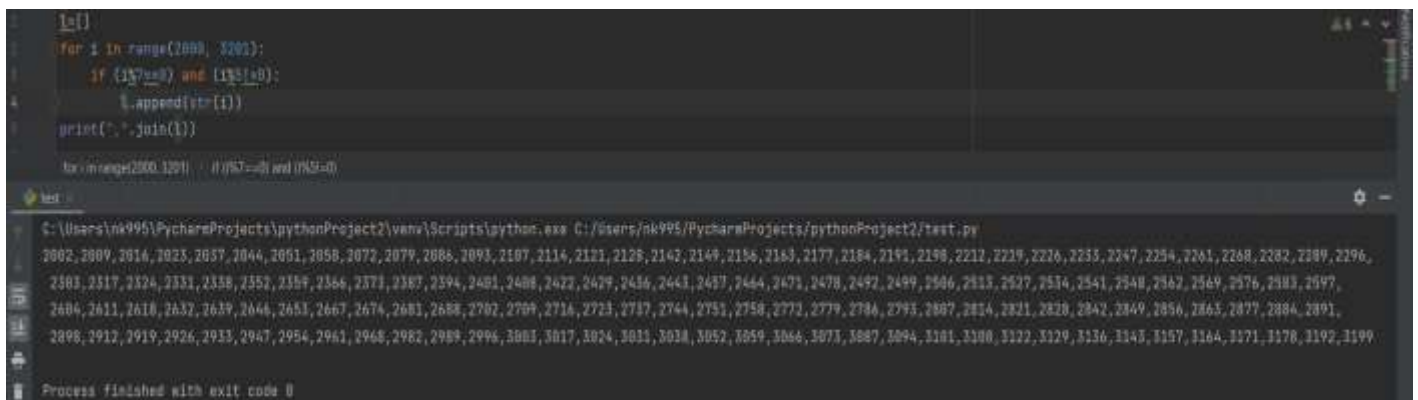
Assignment Date	19 September 2022
Student Name	Mr. Navin Kumar
Student Roll Number	310819104057
Maximum Marks	2 Marks

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))
```



The screenshot shows a Python IDE with the following code in the editor:

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

The output console shows the execution of the code, displaying a long list of numbers that are divisible by 7 but not by 5, separated by commas. The numbers range from 2002 to 3199. The output ends with "Process finished with exit code 0".

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:

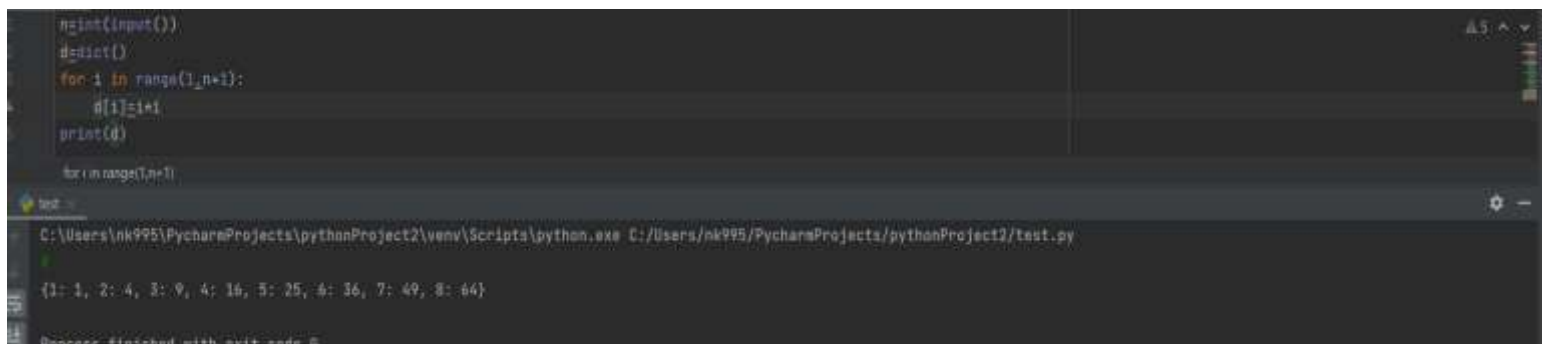
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Then, the output should be:

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

Solution:

```
n=int(input())
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. The editor window contains the following code:

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

Below the editor, the terminal window shows the command prompt and the output of the program:

```
C:\Users\nk995\PycharmProjects\pythonProject2\venv\Scripts\python.exe C:/Users/nk995/PycharmProjects/pythonProject2/test.py
{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64}
```

The output matches the expected result from the question.

