Assignment -1

Python Programming

Assignment Date	21 October 2022
Student Name	E.Gajalakshmi
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Maximum Marks	2 Marks

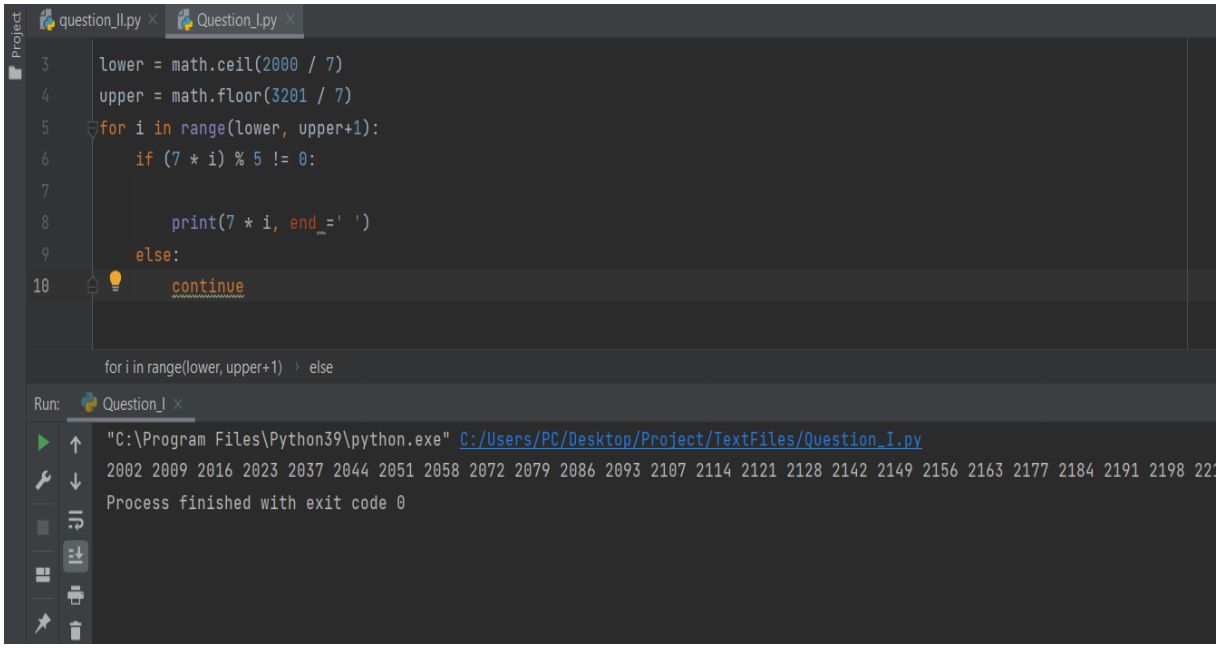
Question-1:

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:

```
lower = math.ceil(2000 / 7)
upper = math.floor(3201 / 7)
for i in range(lower, upper+1):
    if (7 * i) % 5 != 0:

        print(7 * i, end =' ')
    else:
        continue
```



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:

```
# Entering n:
n = int(input("Enter n: "))

dictionary = dict()
for i in range(1, n+1):
    dictionary[i] = i*i

print(dictionary)
```