Assignment -1
Python Programming
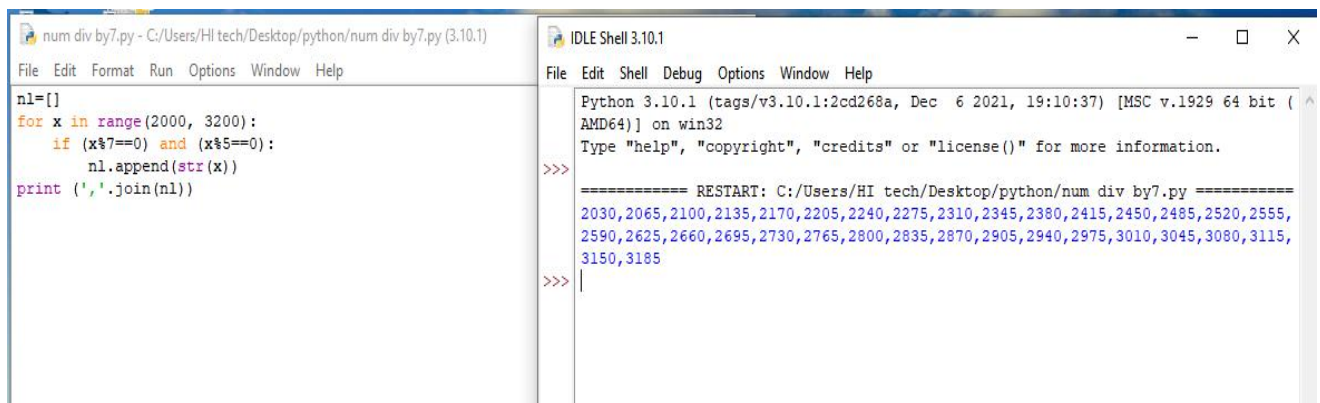
Assignment Date	1 November 2022
Student Name	priyanga
Student Roll Number	620319106044
Maximum Marks	2 Marks

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
    nl=[]
    for x in range(2000, 3200):
       if (x%7==0) and (x%5==0):
           nl.append(str(x))
    print (','.join(nl))
```


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.

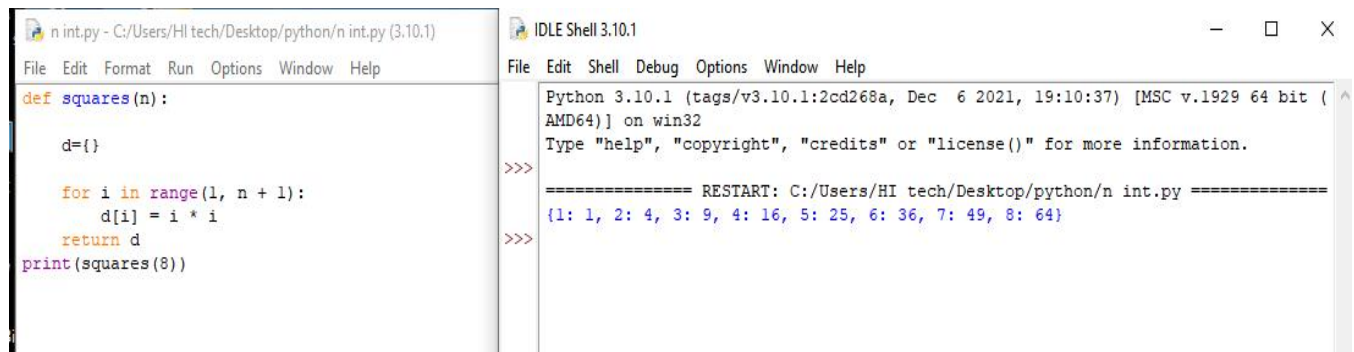Suppose the following input is supplied to the program:
8

Then, the output should be:
{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64}

Solution

```python
def squares(n):

    d={}

    for i in range(1, n + 1):
        d[i] = i * i
    return d
print(squares(8))
```

n int.py - C:/Users/HI tech/Desktop/python/n int.py (3.10.1)

File Edit Format Run Options Window Help

```python
def squares(n):

    d={}

    for i in range(1, n + 1):
        d[i] = i * i
    return d
print(squares(8))
```

IDLE Shell 3.10.1 — □ X

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```
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec  6 2021, 19:10:37) [MSC v.1929 64 bit (
AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
=============== RESTART: C:/Users/HI tech/Desktop/python/n int.py ==============
{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64}
>>>
```