Assignment -1

Python Programming
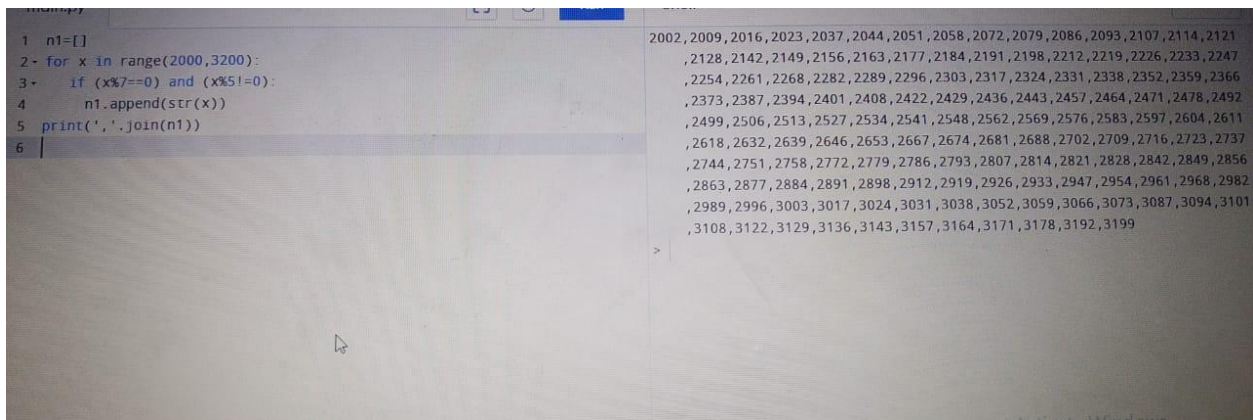
Assignment Date	19 September 2022
Team ID	PNT2022TMID51683
Project Name	Nutrition Assistant Application
Maximum Marks	2 Marks

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:

```python
n1=[]

for x in range(2000, 3200):

    if (x%7==0) and (x%5!=0):

        n1.append(str(x))


print (','.join(n1)
```


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}
```
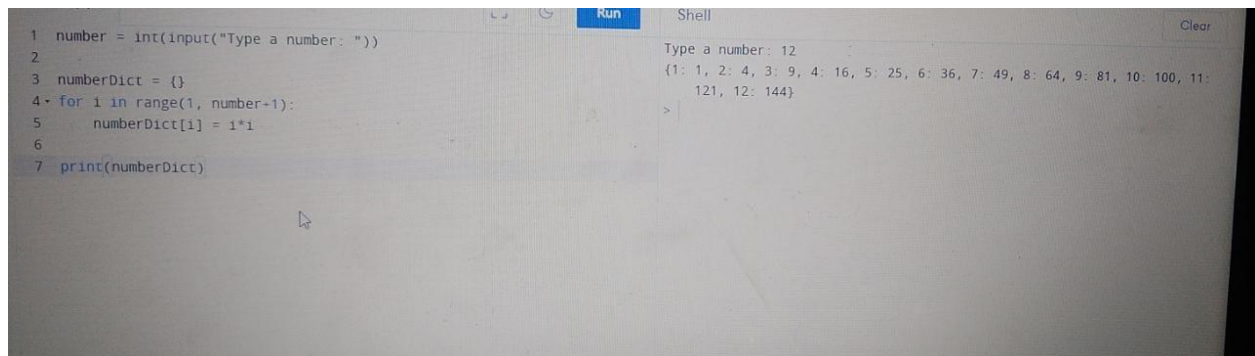
Solution:
```
number = int(input("Type a number: "))
numberDict = {}
for i in range(1,number+1):
    numberDict[i] = i*i

print(numberDict)
```