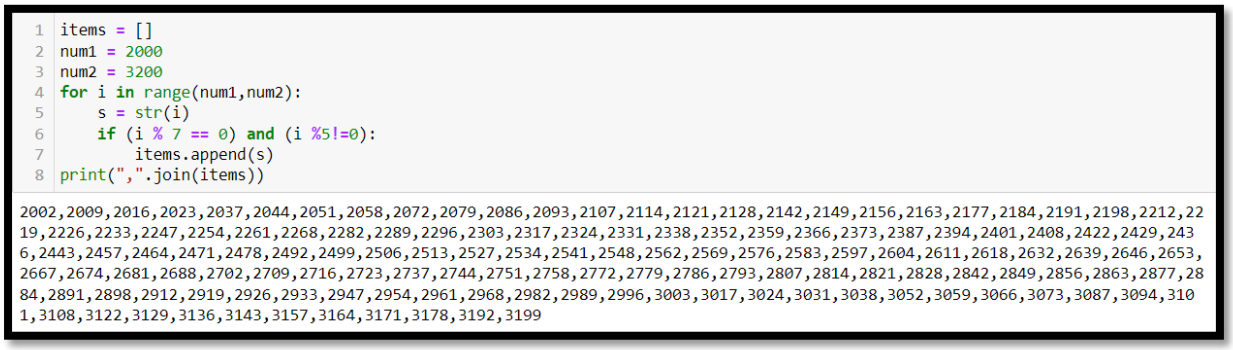
Assignment 01.

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.

Code:

```
items = []
num1 = 2000
num2 = 3200
for i in range(num1,num2):
    s = str(i)
    if (i % 7 == 0) and (i %5!=0):
        items.append(s)
print(",".join(items))
```

Output:



2.Write a Python program to accept the user's first and last name and then getting them printed in the the reverse order with a space between first name and last name.

Code:

```
first_name = (input("Enter the first name"))
last_name = (input("Enter the last name"))
print (last_name,"",first_name)
```

output:

```
1 first_name = (input("Enter the first name"))
2 last_name = (input("Enter the last name"))
3 print (last_name,"",first_name)
```

```
Enter the first nameraj
Enter the last namekamal
kamal  raj
```

3. Write a Python program to find the volume of a sphere with diameter 12 cm.
Formula: V=4/3 * π * r^3

Code:

```
import math
pi = math.pi
d = 12
r = d/2
volume = (4/3 * pi * r**3)
```

Output:

```
1 volume
2
```

```
904.7786842338603
```