

Assignment-1

Python Programming

Assignment Date	19 September 2022
Student Name	Abinaya N Bhodhini P Hemalatha A C Sneka A
Student Roll Number	612919104005 612919104010 612919104023 612919104050
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:-

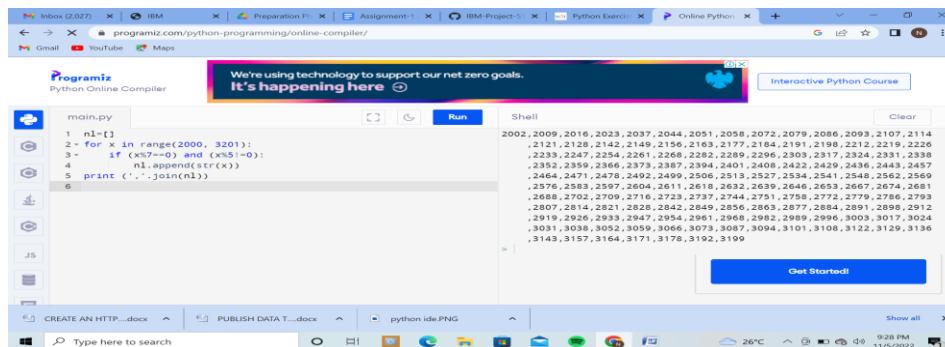
```
nl=[]
```

```
for x in range(2000, 3201):
```

```
    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 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:

8

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("Enter the value of n: "))
```

```
# Create a dictionary of squares
```

```
squares = {i : i*i for i in range(1, n+1)}
```

```
# Print the dictionary
```

```
print(squares)
```

