

Assignment -1

Python Programming

Assignment Date	19 September 2022
Student Name	Ms. E.Madhumitha
Student Roll Number	142219106051
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:

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

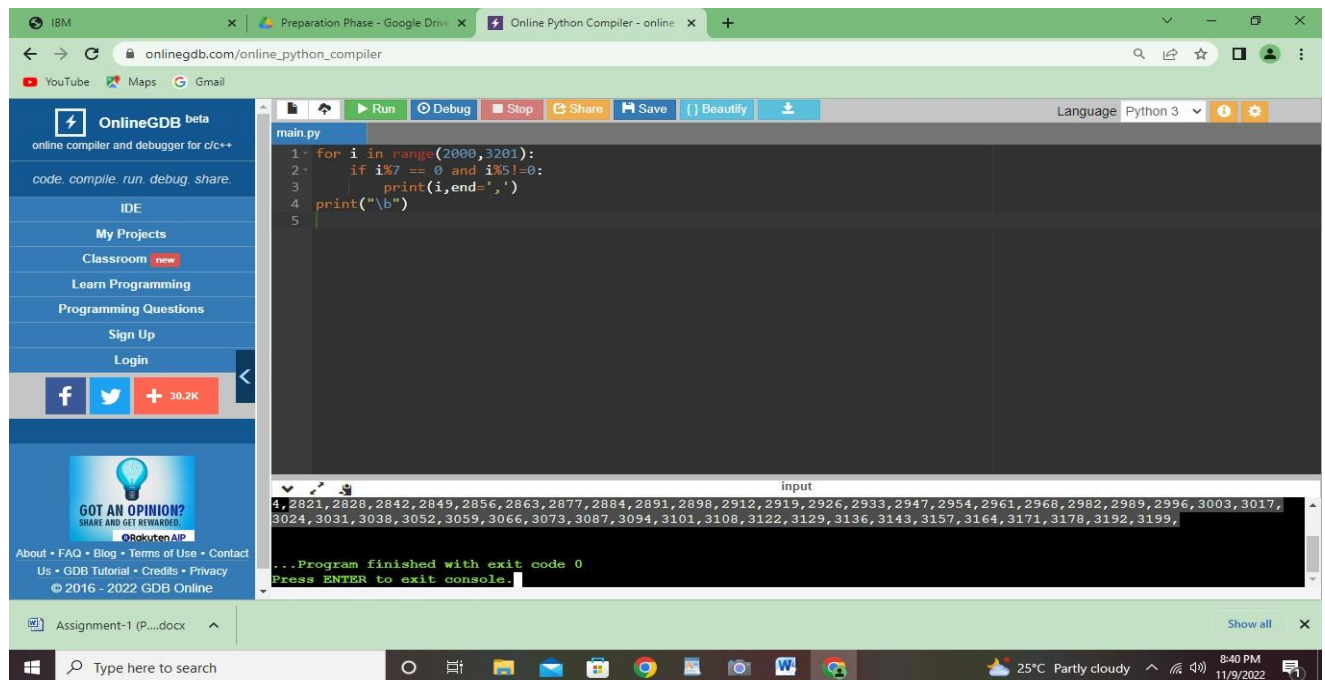
```
    if i%7 == 0 and i%5!=0:
```

```
        print(i,end=',')
```

```
print("\b")
```

Output

```
2821,2828,2842,2849,2856,2863,2877,2884,2891,2898,2912,2919,2926,2933,2947,2954,2961,2968,2982,2989,2996,3003,3017,3024,3031,3038,3052,3059,3066,3073,3087,3094,3101,3108,3122,3129,3136,3143,3157,3164,3171,3178,3192,3199
```



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.

Solution :

```
my_num = int(input("Enter a Number"))
```

```
my_dict = dict()
```

```
for elem in range(1,my_num+1):
```

```
    my_dict[elem] = elem*elem
```

```
print ("The elements of dictionary are : ")
```

```
print(my_dict)
```

Output :

Enter a Number 8

The elements of dictionary are : {1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64}

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main.py

```
1 my_num = int(input("Enter a Number"))
2 my_dict = dict()
3 for elem in range(1,my_num+1):
4     my_dict[elem] = elem*elem
5 print("The elements of dictionary are : ")
6 print(my_dict)
7
```

input

```
Enter a Number 8
The elements of dictionary are :
{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64}
...Program finished with exit code 0
```

Assignment-1 (P...docx)

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