Python Lab MST Worksheet – 1

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Section/Group: 809/A
Semester: 4th
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Subject Name: Programming in Python Lab
Subject Code: 20CSP-259

1. Aim/Overview of the practical:

I. WAP to check whether the entered number is Armstrong or not.
II. WAP to find out the sum of the numbers between 1 to 100 which are not divisible by 2,4 and 7.

2. Task to be done/ Which logistics used:

I. Check and print the Armstrong number.
II. Check and print the sum of the numbers between 1 to 100 which is not divisible by 2,4 and 7.

3. Steps for experiment/practical/Code:

I. Check and print the Armstrong number.

Sourse Code:

```
num = int(input("Please Enter the Number: "))
order = len(str(num))
sum = 0
temp = num

while temp > 0:
   digit = temp % 10
   sum += digit ** order
   temp //= 10

if num == sum:
   print(num,"is an Armstrong number")
else:
   print(num,"is not an Armstrong number")
```

II. Check and print the sum of the numbers between 1 to 100 which is not divisible by 2,4 and 7.

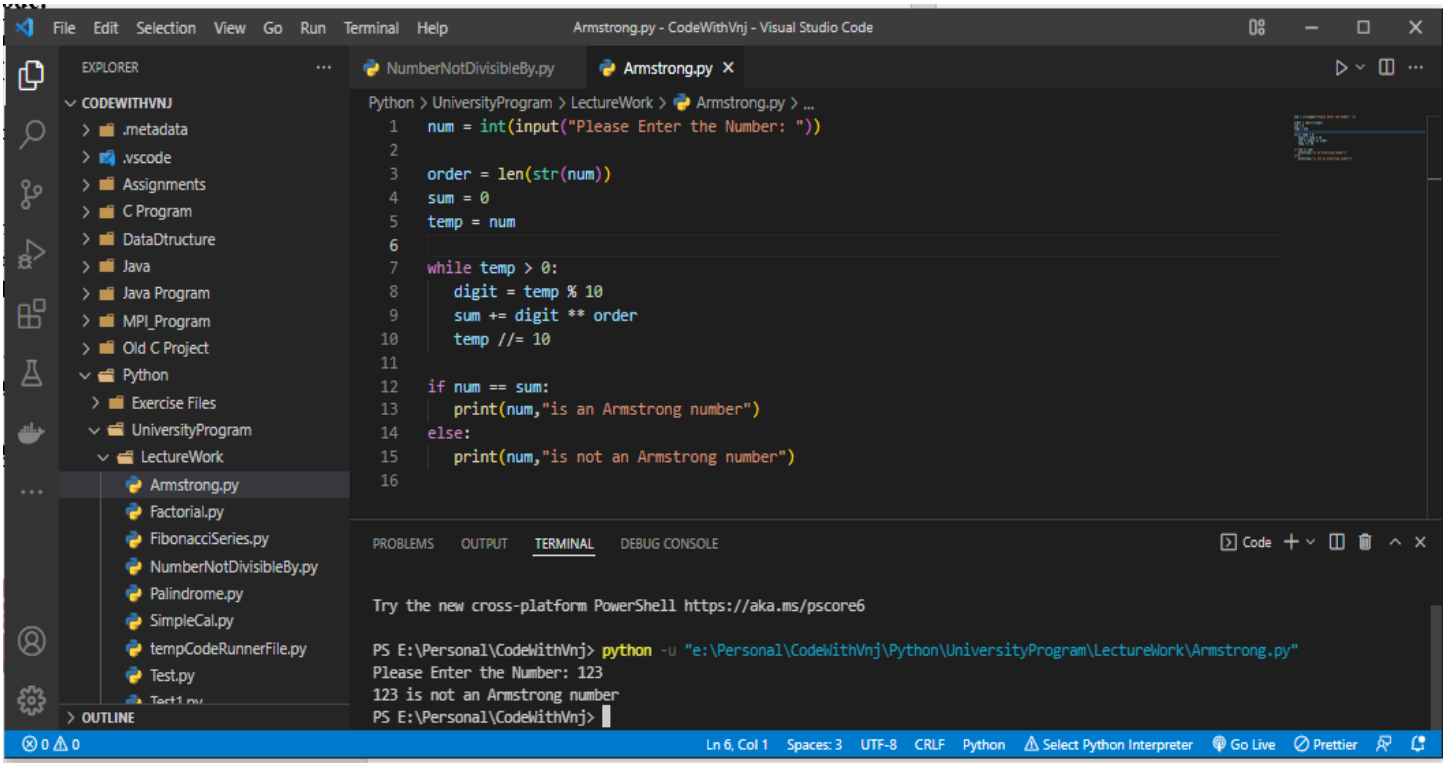
Sourse Code:

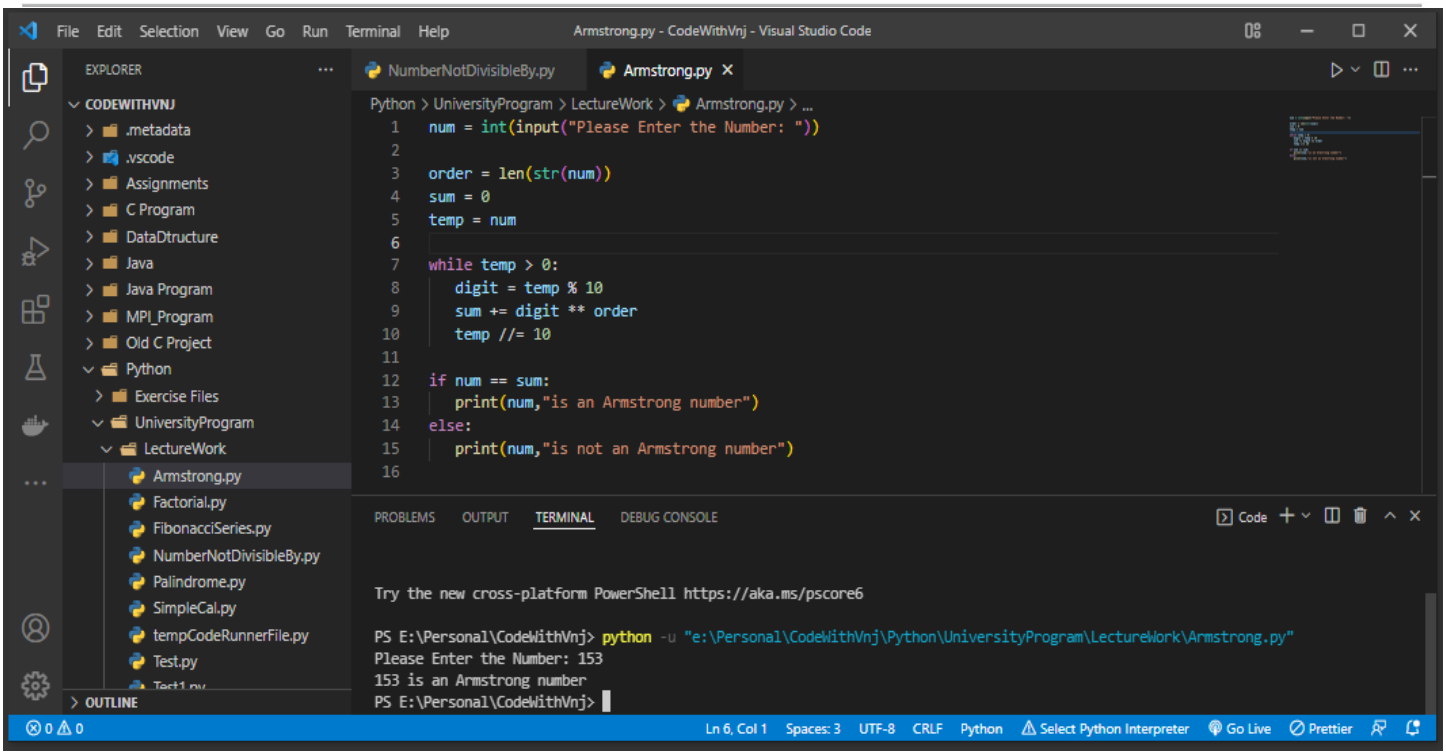
```
n = 1
max_num = 100
sum = 0
print("Sum of the Numbers not divisible by 2, 4 and 7 is ",end='')
while n <= max_num:
    if n % 2 != 0 and n % 4 != 0 and n % 7 != 0:
        sum+=n
    n = n+1
print(sum)
```

4. Result/Output/Writing Summary:

I. Check and print the Armstrong number.

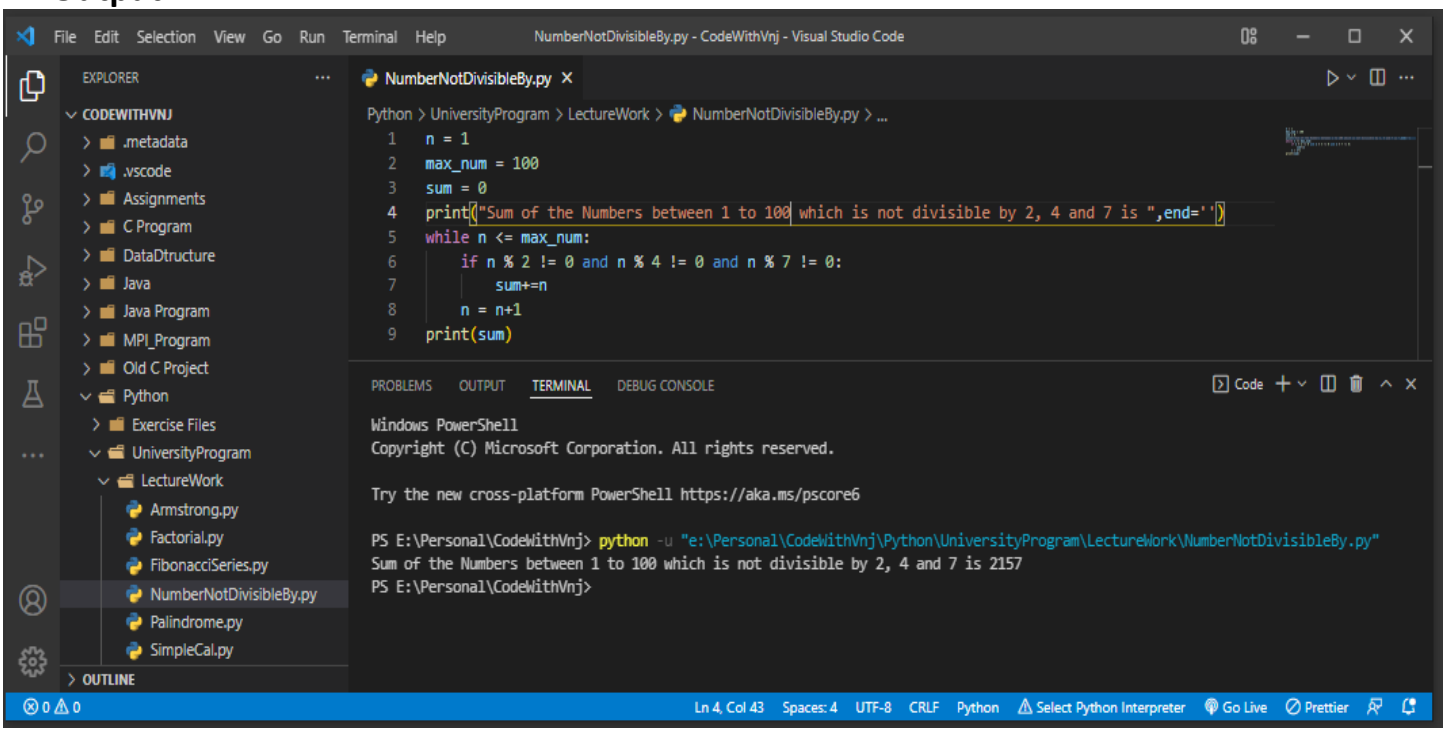
Output:





II. Check and print the sum of the numbers between 1 to 100 which is not divisible by 2,4 and 7.

Output:



Learning outcomes (What I have learnt):

1. I have learnt, how to find Armstrong Number.

2. Learnt to use of and All Operators, including loops and conditions.

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			