



Worksheet - 1.2

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Branch: BE-CSE (LEET) Section/Group: 809/A

Semester: 4th Date of Performance: 14/03/2022

Subject Name: Programming in Python Lab **Subject Code:** 20CSP-259

1. Aim/Overview of the practical:

I. Python Program to check whether a given number is a palindrome.

II. Python Program to check Whether entered number is Armstrong or Not?

III. Python Program to Take three numbers from the user and print the greatest number

2. Task to be done/ Which logistics used:

- I. Check and print the palindrome number.
- II. Check and print the Armstrong number.
- III. Check and print greatest number.

3. Steps for experiment/practical/Code:

I. Check and print the palindrome number.

Sourse Code:

```
n=int(input("Enter The Number: "))
temp=n
rev=0
while(n>0):
    dig=n%10
    rev=rev*10+dig
    n=n//10
if(temp==rev):
    print("The number is a palindrome!")
else:
    print("The number isn't a palindrome!")
```







II. 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")
```

III. Check and print greatest number.

Sourse Code:

```
num1 = int(input("Enter the 1st Number:"))
num2 = int(input("Enter the 2nd Number:"))
num3 = int(input("Enter the 3rd Number:"))
if (num1 >= num2) and (num1 >= num3):
    largest = num1
elif (num2 >= num1) and (num2 >= num3):
    largest = num2
else:
    largest = num3
print("The largest number is ", largest)
```



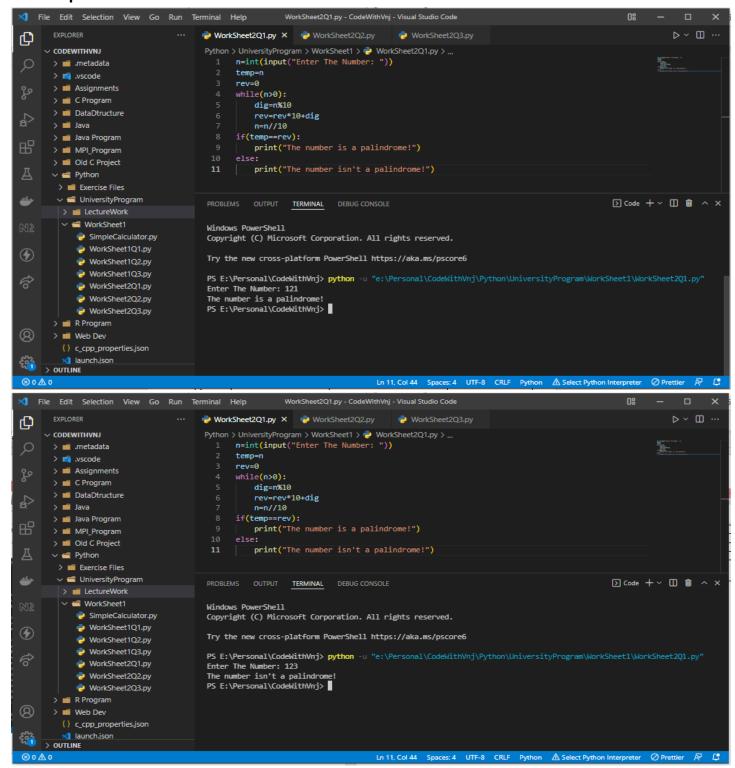




4. Result/Output/Writing Summary:

I. Check and print the palindrome number.

Output:



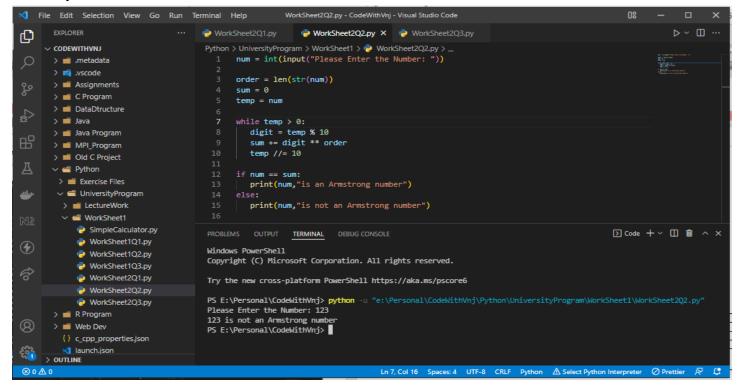


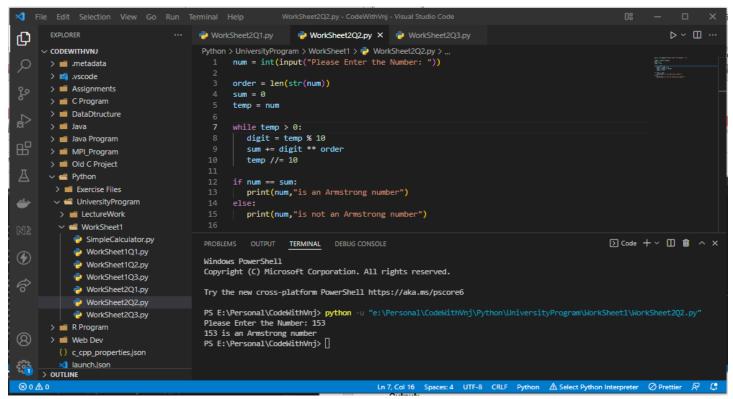




II. Check and print the Armstrong number.

Output:





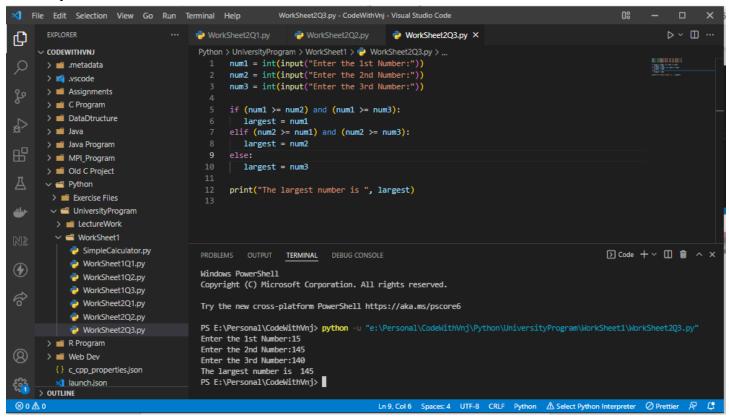






III. Check and print greatest number.

Output:



Learning outcomes (What I have learnt):

- 1. I have learnt, how to find Armstrong Number.
- **2.** Learnt to find the Palindrome number.
- **3.** Learnt to find the Largest number.

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

Parameters	Marks Obtained	Maximum Marks
	Parameters	Parameters Marks Obtained

