

## Experiment 1.2

**Student Name:**Rajiv Paul

**UID:**20BCS1812

**Branch:** CSE

**Section/Group:**607B

**Semester:** 4th

**Date of Performance:** 18/02/2022

**Subject Name:**Programming in Python Lab

**Subject Code:** 22E-20CSP-259

### 1) Aim/Overview of the practical:

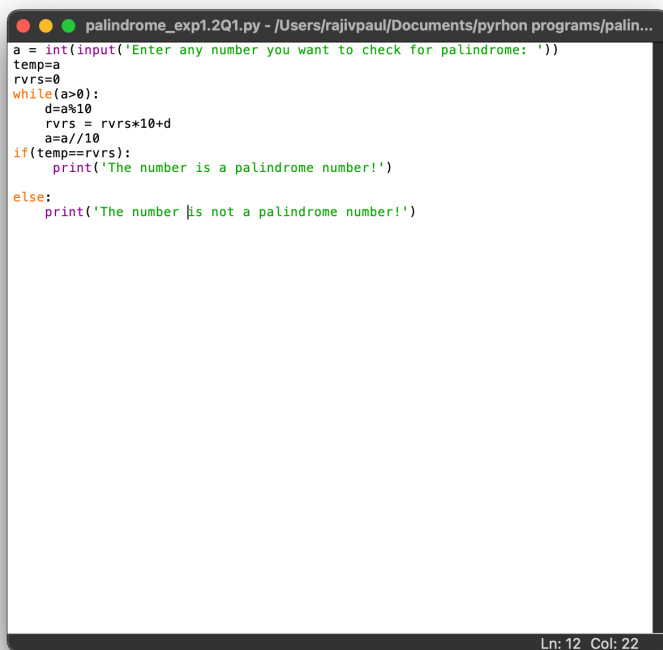
**Q1. Python Program to check whether a given number is a palindrome.**

### 2) Task to be done/ Which logistics used:

**To write a python program to check whether a given number is a palindrome.**

### 3) Algorithm/Flowchart (For programming based labs):

#### 4) Steps for experiment/practical/Code:



```
palindrome_exp1.2Q1.py - /Users/rajivpaul/Documents/pyrhon programs/palin...
a = int(input('Enter any number you want to check for palindrome: '))
temp=a
rvrs=0
while(a>0):
    d=a%10
    rvrs = rvrs*10+d
    a=a//10
if(temp==rvrs):
    print('The number is a palindrome number!')
else:
    print('The number is not a palindrome number!')
```

Ln: 12 Col: 22

#### 5. Observations/Discussions/ Complexity Analysis:

## 6. Result/Output/Writing Summary:



```
Python 3.10.2 (v3.10.2:a58ebcc701, Jan 13 2022, 14:50:16) [Clang 13.0.0 (clang-1300.0.29.30)] on darwin
Type "help", "copyright", "credits" or "license()" for more information.
>>>
== RESTART: /Users/rajivpaul/Documents/pyrhon programs/palindrome_exp1.2Q1.py ==
Enter any number you want to check for palindrome: 123
The number is not a palindrome number!
>>>
== RESTART: /Users/rajivpaul/Documents/pyrhon programs/palindrome_exp1.2Q1.py ==
Enter any number you want to check for palindrome: 111
The number is a palindrome number!
>>>
== RESTART: /Users/rajivpaul/Documents/pyrhon programs/palindrome_exp1.2Q1.py ==
Enter any number you want to check for palindrome: 121
The number is a palindrome number!
>>>
Ln: 15 Col: 0
```

### 1) Aim/Overview of the practical:

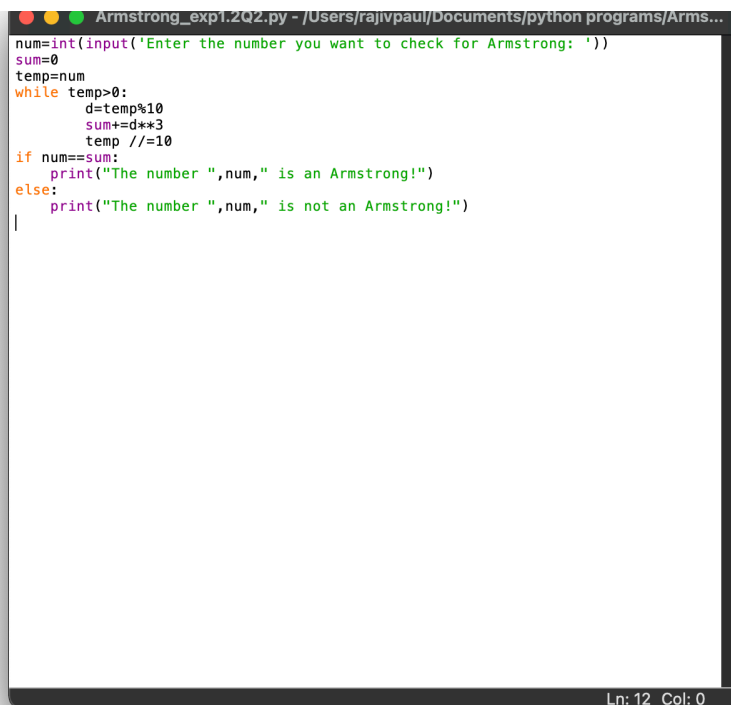
**Q2. Write a Python Program to check whether entered number is Armstrong or Not?**

### 2) Task to be done/ Which logistics used:

**To write a python program to check whether entered number is Armstrong or Not.**

### 3) Algorithm/Flowchart (For programming based labs):

#### 4) Steps for experiment/practical/Code:

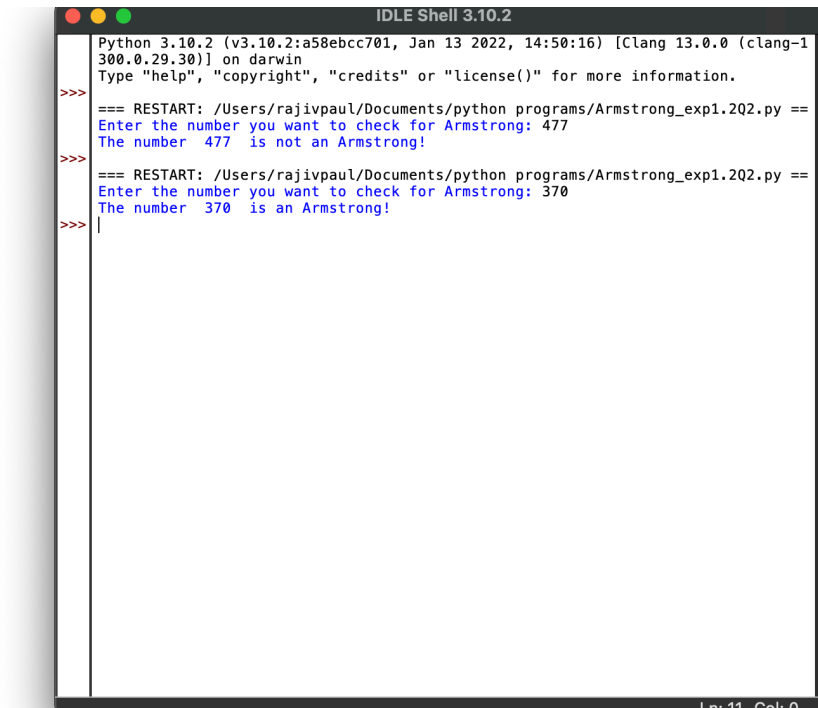


```
num=int(input('Enter the number you want to check for Armstrong: '))
sum=0
temp=num
while temp>0:
    d=temp%10
    sum+=d**3
    temp //=10
if num==sum:
    print("The number ",num," is an Armstrong!")
else:
    print("The number ",num," is not an Armstrong!")
|
```

Ln: 12 Col: 0

#### 5. Observations/Discussions/ Complexity Analysis:

## 6. Result/Output/Writing Summary:



```
IDLE Shell 3.10.2
Python 3.10.2 (v3.10.2:a58ebcc701, Jan 13 2022, 14:50:16) [Clang 13.0.0 (clang-1300.0.29.30)] on darwin
Type "help", "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: /Users/rajivpaul/Documents/python programs/Armstrong_exp1.2Q2.py ==
Enter the number you want to check for Armstrong: 477
The number 477 is not an Armstrong!
>>>
=== RESTART: /Users/rajivpaul/Documents/python programs/Armstrong_exp1.2Q2.py ==
Enter the number you want to check for Armstrong: 370
The number 370 is an Armstrong!
>>>
```

**1) Aim/Overview of the practical:**

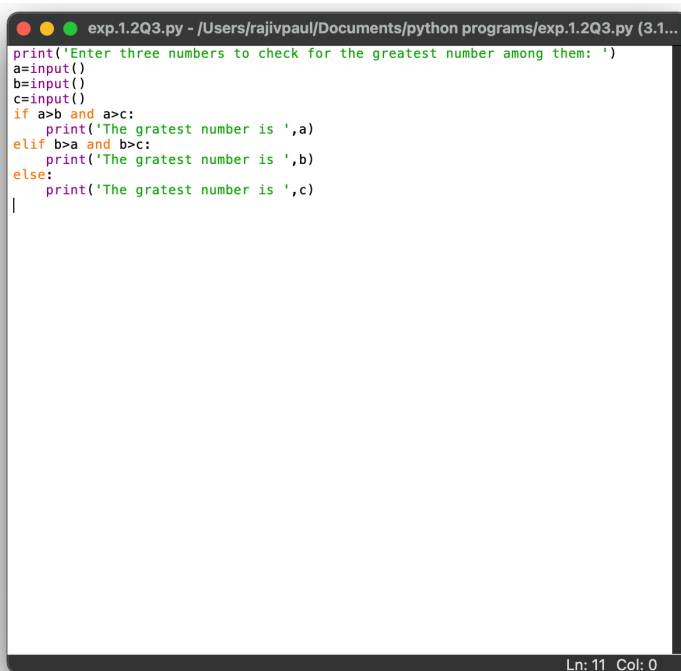
**Q3. Write a Python Program to take three numbers from the user and print the greatest number.**

**2) Task to be done/ Which logistics used:**

**To write a python program to take three numbers from the user and print the greatest number.**

**3) Algorithm/Flowchart (For programming based labs):**

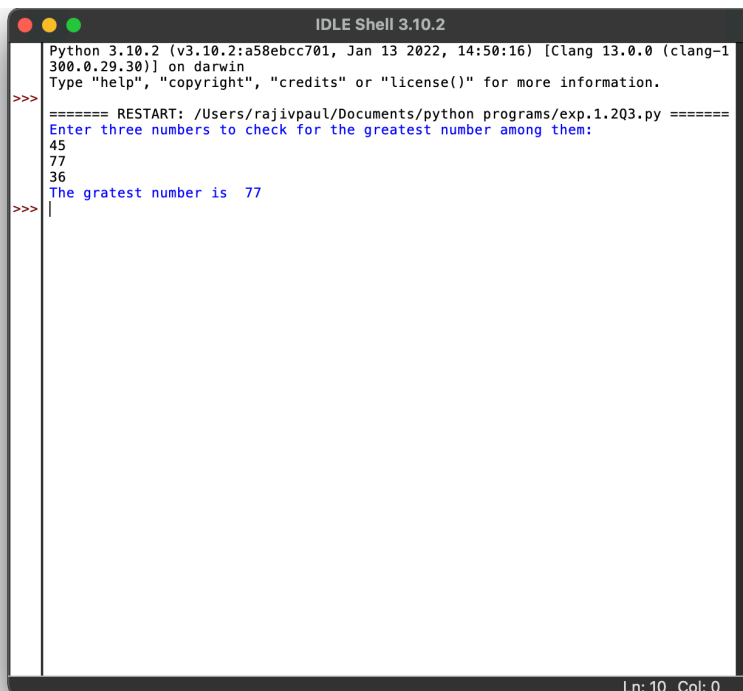
**4) Steps for experiment/practical/Code:**



```
exp.1.2Q3.py - /Users/rajivpaul/Documents/python programs/exp.1.2Q3.py (3.1...  
print('Enter three numbers to check for the greatest number among them: ')  
a=input()  
b=input()  
c=input()  
if a>b and a>c:  
    print('The gratest number is ',a)  
elif b>a and b>c:  
    print('The gratest number is ',b)  
else:  
    print('The gratest number is ',c)  
|  
  
Ln: 11 Col: 0
```

## 5. Observations/Discussions/ Complexity Analysis:

## 6. Result/Output/Writing Summary:



```
Python 3.10.2 (v3.10.2:a58ebcc701, Jan 13 2022, 14:50:16) [Clang 13.0.0 (clang-1300.0.29.30)] on darwin
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: /Users/rajivpaul/Documents/python programs/exp.1.2Q3.py =====
Enter three numbers to check for the greatest number among them:
45
77
36
The gratest number is  77
>>>|
```

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**Learning outcomes (What I have learnt):**

- 1. Learnt about python programming language.**
- 2. Learnt about if else statements.**
- 3.**
- 4.**
- 5.**



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**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.			