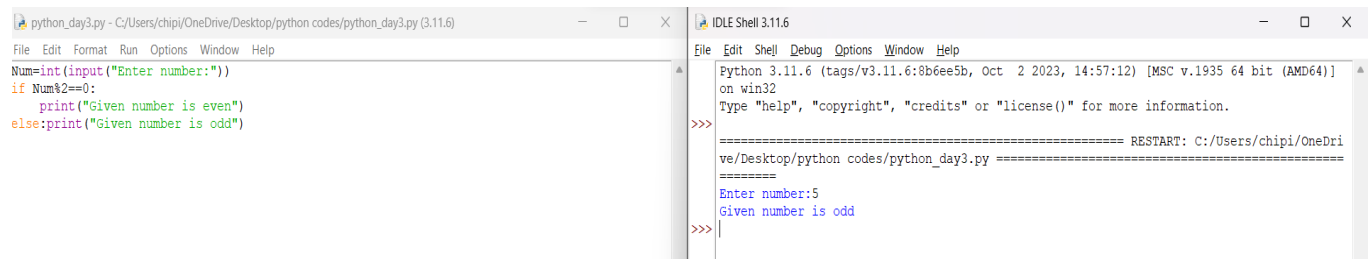


Name: Chipinapi Karthik

Rig.no:23BCE20022

1. Python program to find whether the given number is Even or Odd

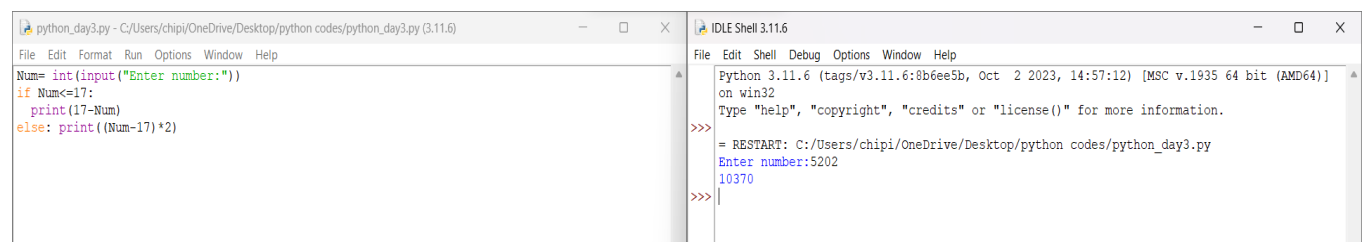


The screenshot shows a Python IDE with two windows. The left window displays the code for a program that checks if a number is even or odd. The right window shows the execution output.

```
python_day3.py - C:/Users/chipi/OneDrive/Desktop/python codes/python_day3.py (3.11.6)
File Edit Format Run Options Window Help
Num=int(input("Enter number:"))
if Num%2==0:
    print("Given number is even")
else:print("Given number is odd")

IDLE Shell 3.11.6
File Edit Shell Debug Options Window Help
Python 3.11.6 (tags/v3.11.6:8b6ee5b, Oct 2 2023, 14:57:12) [MSC v.1935 64 bit (AMD64)]
on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> ===== RESTART: C:/Users/chipi/OneDrive/Desktop/python codes/python_day3.py =====
Enter number:5
Given number is odd
>>>
```

2. Write a Python program to get the difference between a given number and 17, if the number is greater than 17 return double the absolute difference

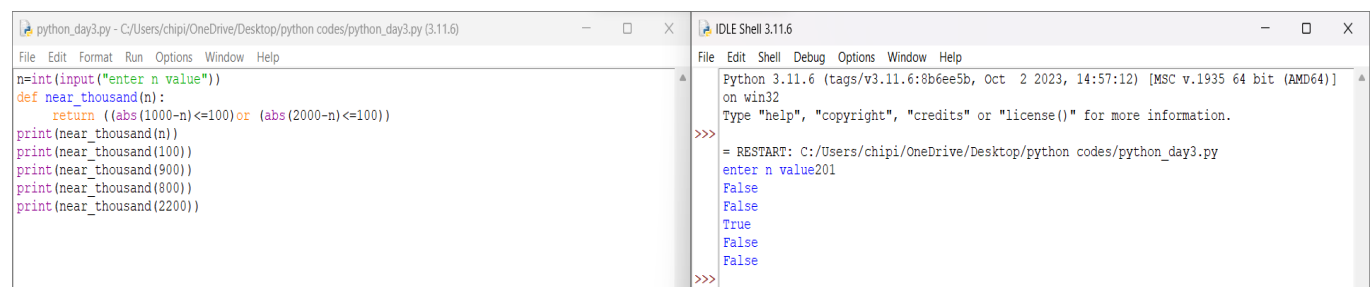


The screenshot shows a Python IDE with two windows. The left window displays the code for a program that calculates the difference between a number and 17. The right window shows the execution output.

```
python_day3.py - C:/Users/chipi/OneDrive/Desktop/python codes/python_day3.py (3.11.6)
File Edit Format Run Options Window Help
Num= int(input("Enter number:"))
if Num<=17:
    print(17-Num)
else: print((Num-17)*2)

IDLE Shell 3.11.6
File Edit Shell Debug Options Window Help
Python 3.11.6 (tags/v3.11.6:8b6ee5b, Oct 2 2023, 14:57:12) [MSC v.1935 64 bit (AMD64)]
on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> = RESTART: C:/Users/chipi/OneDrive/Desktop/python codes/python_day3.py
Enter number:5202
10370
>>>
```

3. Write a Python program to test whether a number is within 100 of 1000 or 2000.

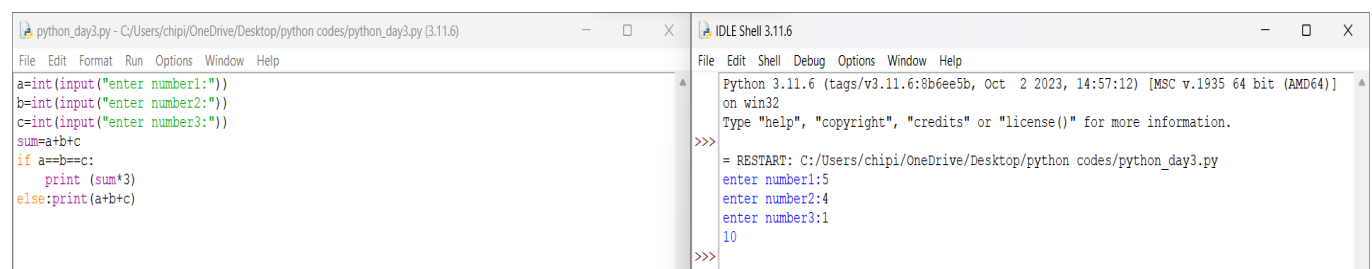


The screenshot shows a Python IDE with two windows. The left window displays the code for a program that tests if a number is within 100 of 1000 or 2000. The right window shows the execution output.

```
python_day3.py - C:/Users/chipi/OneDrive/Desktop/python codes/python_day3.py (3.11.6)
File Edit Format Run Options Window Help
n=int(input("enter n value"))
def near_thousand(n):
    return ((abs(1000-n)<=100) or (abs(2000-n)<=100))
print(near_thousand(n))
print(near_thousand(100))
print(near_thousand(900))
print(near_thousand(800))
print(near_thousand(2200))

IDLE Shell 3.11.6
File Edit Shell Debug Options Window Help
Python 3.11.6 (tags/v3.11.6:8b6ee5b, Oct 2 2023, 14:57:12) [MSC v.1935 64 bit (AMD64)]
on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> = RESTART: C:/Users/chipi/OneDrive/Desktop/python codes/python_day3.py
enter n value201
False
False
True
False
False
>>>
```

4. Write a Python program to calculate the sum of three given numbers, if the values are equal then return three times of their sum

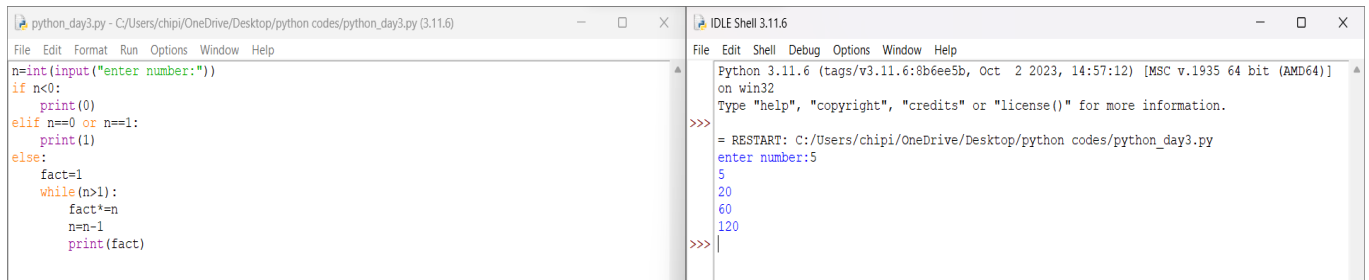


The screenshot shows a Python IDE with two windows. The left window displays the code for a program that calculates the sum of three numbers. The right window shows the execution output.

```
python_day3.py - C:/Users/chipi/OneDrive/Desktop/python codes/python_day3.py (3.11.6)
File Edit Format Run Options Window Help
a=int(input("enter number1:"))
b=int(input("enter number2:"))
c=int(input("enter number3:"))
sum=a+b+c
if a==b==c:
    print(sum*3)
else:print(a+b+c)

IDLE Shell 3.11.6
File Edit Shell Debug Options Window Help
Python 3.11.6 (tags/v3.11.6:8b6ee5b, Oct 2 2023, 14:57:12) [MSC v.1935 64 bit (AMD64)]
on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> = RESTART: C:/Users/chipi/OneDrive/Desktop/python codes/python_day3.py
enter number1:5
enter number2:4
enter number3:1
10
>>>
```

5. Python Program to Find the Factorial of a Number



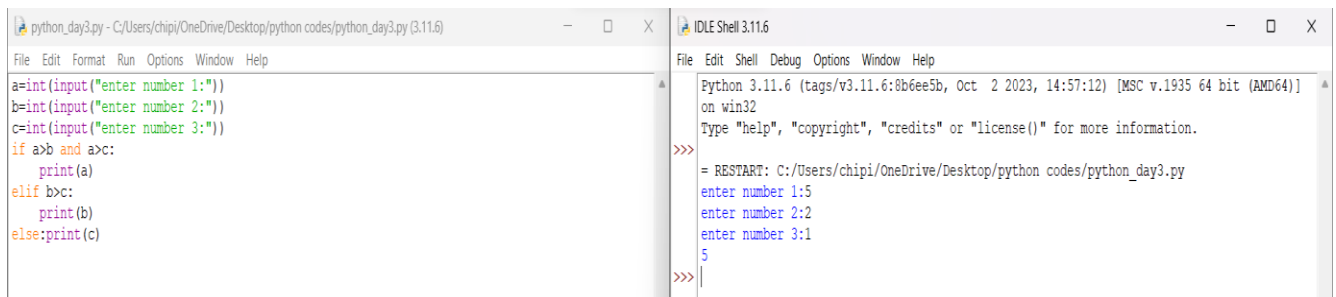
The screenshot shows a Python IDE with two windows. The left window, titled 'python_day3.py - C:/Users/chipi/OneDrive/Desktop/python codes/python_day3.py (3.11.6)', contains the following code:

```
n=int(input("enter number:"))
if n<0:
    print(0)
elif n==0 or n==1:
    print(1)
else:
    fact=1
    while(n>1):
        fact*=n
        n=n-1
    print(fact)
```

The right window, titled 'IDLE Shell 3.11.6', shows the execution output:

```
Python 3.11.6 (tags/v3.11.6:8b6ee5b, Oct 2 2023, 14:57:12) [MSC v.1935 64 bit (AMD64)]
on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> = RESTART: C:/Users/chipi/OneDrive/Desktop/python codes/python_day3.py
enter number:5
5
20
60
120
>>> |
```

6. Python Program to print maximum of 3 numbers



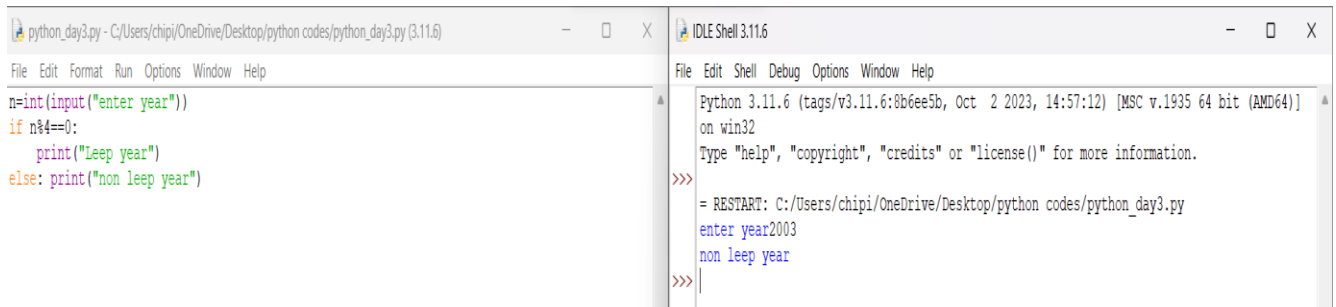
The screenshot shows a Python IDE with two windows. The left window, titled 'python_day3.py - C:/Users/chipi/OneDrive/Desktop/python codes/python_day3.py (3.11.6)', contains the following code:

```
a=int(input("enter number 1:"))
b=int(input("enter number 2:"))
c=int(input("enter number 3:"))
if a>b and a>c:
    print(a)
elif b>c:
    print(b)
else:print(c)
```

The right window, titled 'IDLE Shell 3.11.6', shows the execution output:

```
Python 3.11.6 (tags/v3.11.6:8b6ee5b, Oct 2 2023, 14:57:12) [MSC v.1935 64 bit (AMD64)]
on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> = RESTART: C:/Users/chipi/OneDrive/Desktop/python codes/python_day3.py
enter number 1:5
enter number 2:2
enter number 3:1
5
>>> |
```

7. Write a python program to find whether a given year is leap or not.



The screenshot shows a Python IDE with two windows. The left window, titled 'python_day3.py - C:/Users/chipi/OneDrive/Desktop/python codes/python_day3.py (3.11.6)', contains the following code:

```
n=int(input("enter year"))
if n%4==0:
    print("Leap year")
else: print("non leap year")
```

The right window, titled 'IDLE Shell 3.11.6', shows the execution output:

```
Python 3.11.6 (tags/v3.11.6:8b6ee5b, Oct 2 2023, 14:57:12) [MSC v.1935 64 bit (AMD64)]
on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> = RESTART: C:/Users/chipi/OneDrive/Desktop/python codes/python_day3.py
enter year2003
non leap year
>>> |
```