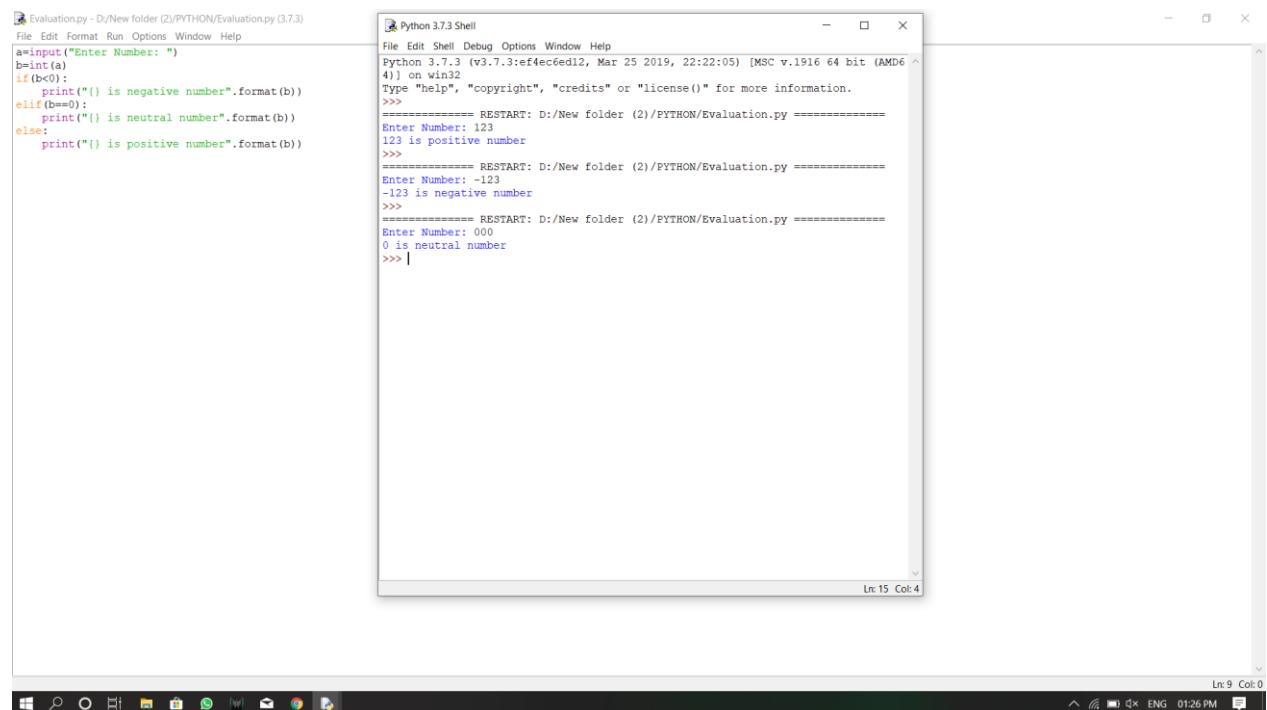


```
# Python 1st Lab Evaluation:- SET- ODD
```

1. Demonstrate Working if else Statement.

→ Program Codes:

```
a=input("Enter Number: ")  
b=int(a)  
  
if(b<0):  
    print("{} is negative number".format(b))  
  
elif(b==0):  
    print("{} is neutral number".format(b))  
  
else:  
    print("{} is positive number".format(b))
```



The screenshot shows a Windows desktop with two windows open. The left window is titled 'Evaluation.py - D:/New folder (2)/PYTHON/Evaluation.py (3.7.3)' and contains the Python code provided above. The right window is titled 'Python 3.7.3 Shell' and shows the command-line interface. It displays three runs of the program:

```
File Edit Shell Debug Options Window Help  
Python 3.7.3 (v3.7.3:ef4ec6ed12, Mar 25 2019, 22:22:05) [MSC v.1916 64 bit (AMD64)] on win32  
Type "help", "copyright", "credits" or "license()" for more information.  
>>>  
===== RESTART: D:/New folder (2)/PYTHON/Evaluation.py ======  
Enter Number: 123  
123 is positive number  
>>>  
===== RESTART: D:/New folder (2)/PYTHON/Evaluation.py ======  
Enter Number: -123  
-123 is negative number  
>>>  
===== RESTART: D:/New folder (2)/PYTHON/Evaluation.py ======  
Enter Number: 000  
0 is neutral number  
>>> |
```

2. Pythagoras Theorem

→ Program Codes:

```
import math  
print("Caculate Hypotenuse: ")  
a=int(input("Height: "))  
b=int(input("Base: "))  
c=math.sqrt(a*a+b*b)  
print("Hypotenuse: ",c)
```

The screenshot shows a Windows desktop environment with two open windows. The top window is a Python 3.7.3 Shell, and the bottom window is a code editor.

Python 3.7.3 Shell:

```
File Edit Shell Debug Options Window Help
Python 3.7.3 (v3.7.3:efefec612, Mar 25 2019, 22:22:05) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> ===== RESTART: D:/New folder (2)/PYTHON/Evaluation.py =====
Caculate Hypotenuse:
Height: 5
Base: 6
Hypotenuse: 7.810249675906654
>>> |
```

Code Editor:

```
File Edit Format Run Options Window Help
import math
print("Caculate Hypotenuse: ")
a=int(input("Height: "))
b=int(input("Base: "))
c=math.sqrt(a*a+b*b)
print("Hypotenuse: ",c)
```

The taskbar at the bottom of the screen shows several pinned icons, including File Explorer, Edge, and Mail. The system tray indicates the date and time as 01:48 PM.