

Name: MEHTA PRALAYKUMAR MAHENDRABHAI

Sub: Internship of python(online)

Branch: IT

College name: GEC Modasa

Year : 3rd year

Mo no: 8347038378

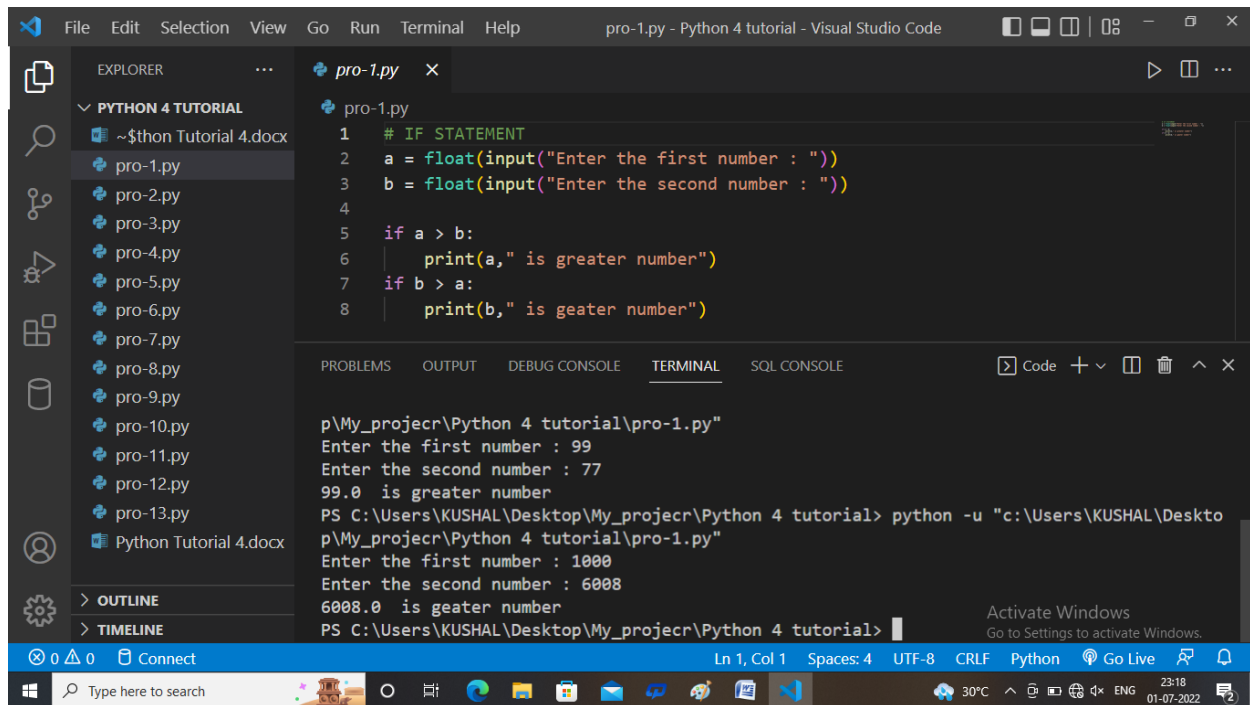
Guided by: Devanshi ma'm

Company name: Akash Technolabs

Exercise : 4 Tutorial Practice programs

Date : 26/06/2022

(PRACTICAL – 1):



```
File Edit Selection View Go Run Terminal Help pro-1.py - Python 4 tutorial - Visual Studio Code
```

EXPLORER

- PYTHON 4 TUTORIAL
 - ~\$thon Tutorial 4.docx
 - pro-1.py
 - pro-2.py
 - pro-3.py
 - pro-4.py
 - pro-5.py
 - pro-6.py
 - pro-7.py
 - pro-8.py
 - pro-9.py
 - pro-10.py
 - pro-11.py
 - pro-12.py
 - pro-13.py
 - Python Tutorial 4.docx

pro-1.py

```
1 # IF STATEMENT
2 a = float(input("Enter the first number : "))
3 b = float(input("Enter the second number : "))
4
5 if a > b:
6     print(a, " is greater number")
7 if b > a:
8     print(b, " is geater number")
```

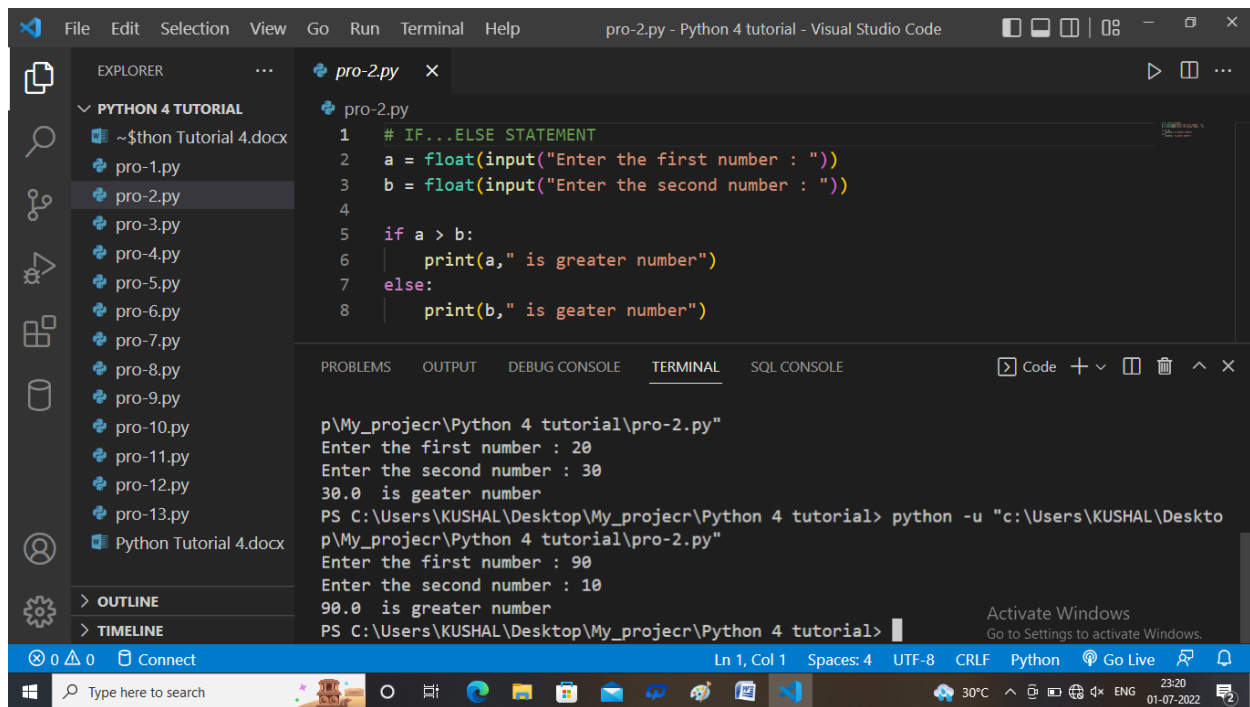
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL SQL CONSOLE

```
p\My_project\Python 4 tutorial\pro-1.py"
Enter the first number : 99
Enter the second number : 77
99.0 is greater number
PS C:\Users\KUSHAL\Desktop\My_project\Python 4 tutorial> python -u "c:\Users\KUSHAL\Desktop\My_project\Python 4 tutorial\pro-1.py"
Enter the first number : 1000
Enter the second number : 6008
6008.0 is geater number
PS C:\Users\KUSHAL\Desktop\My_project\Python 4 tutorial>
```

Activate Windows
Go to Settings to activate Windows.

Ln 1, Col 1 Spaces: 4 UTF-8 CRLF Python Go Live

(PRACTICAL – 2):



```
File Edit Selection View Go Run Terminal Help pro-2.py - Python 4 tutorial - Visual Studio Code
```

EXPLORER

- PYTHON 4 TUTORIAL
 - ~\$thon Tutorial 4.docx
 - pro-1.py
 - pro-2.py
 - pro-3.py
 - pro-4.py
 - pro-5.py
 - pro-6.py
 - pro-7.py
 - pro-8.py
 - pro-9.py
 - pro-10.py
 - pro-11.py
 - pro-12.py
 - pro-13.py
 - Python Tutorial 4.docx

pro-2.py

```
1 # IF...ELSE STATEMENT
2 a = float(input("Enter the first number : "))
3 b = float(input("Enter the second number : "))
4
5 if a > b:
6     print(a, " is greater number")
7 else:
8     print(b, " is geater number")
```

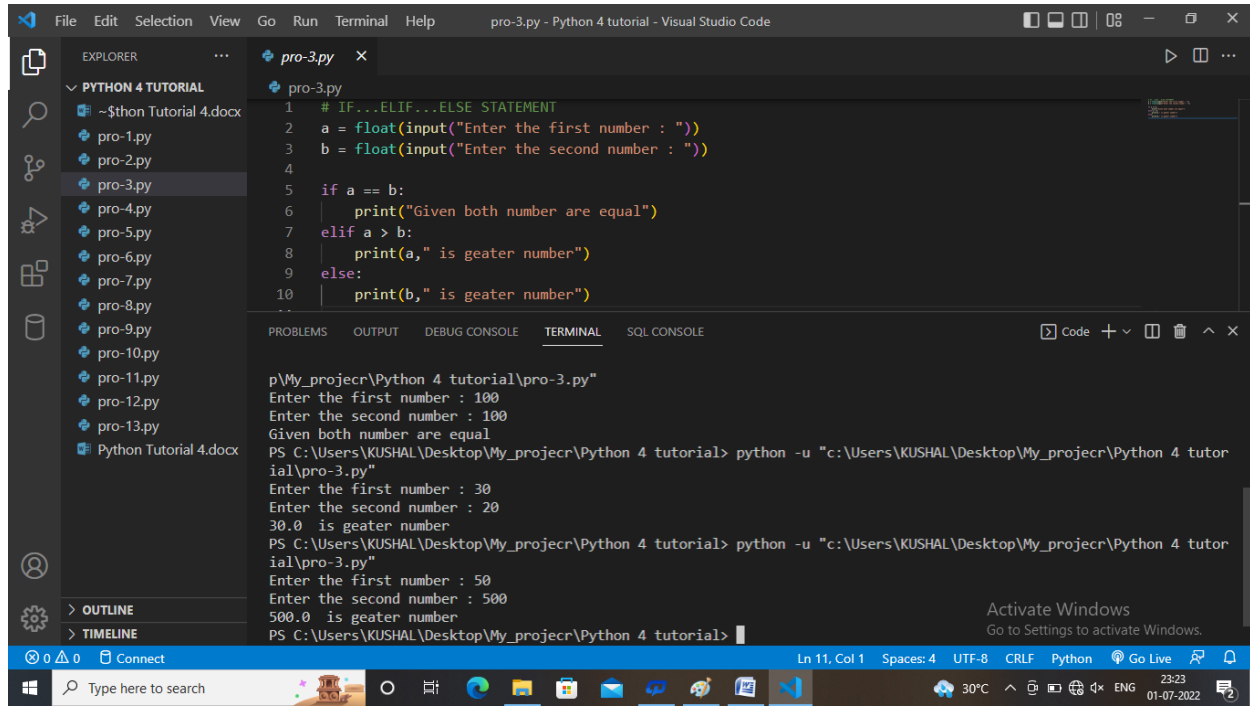
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL SQL CONSOLE

```
p\My_project\Python 4 tutorial\pro-2.py"
Enter the first number : 20
Enter the second number : 30
30.0 is geater number
PS C:\Users\KUSHAL\Desktop\My_project\Python 4 tutorial> python -u "c:\Users\KUSHAL\Desktop\My_project\Python 4 tutorial\pro-2.py"
Enter the first number : 90
Enter the second number : 10
90.0 is geater number
PS C:\Users\KUSHAL\Desktop\My_project\Python 4 tutorial>
```

Activate Windows
Go to Settings to activate Windows.

Ln 1, Col 1 Spaces: 4 UTF-8 CRLF Python Go Live

(PRACTICAL – 3):



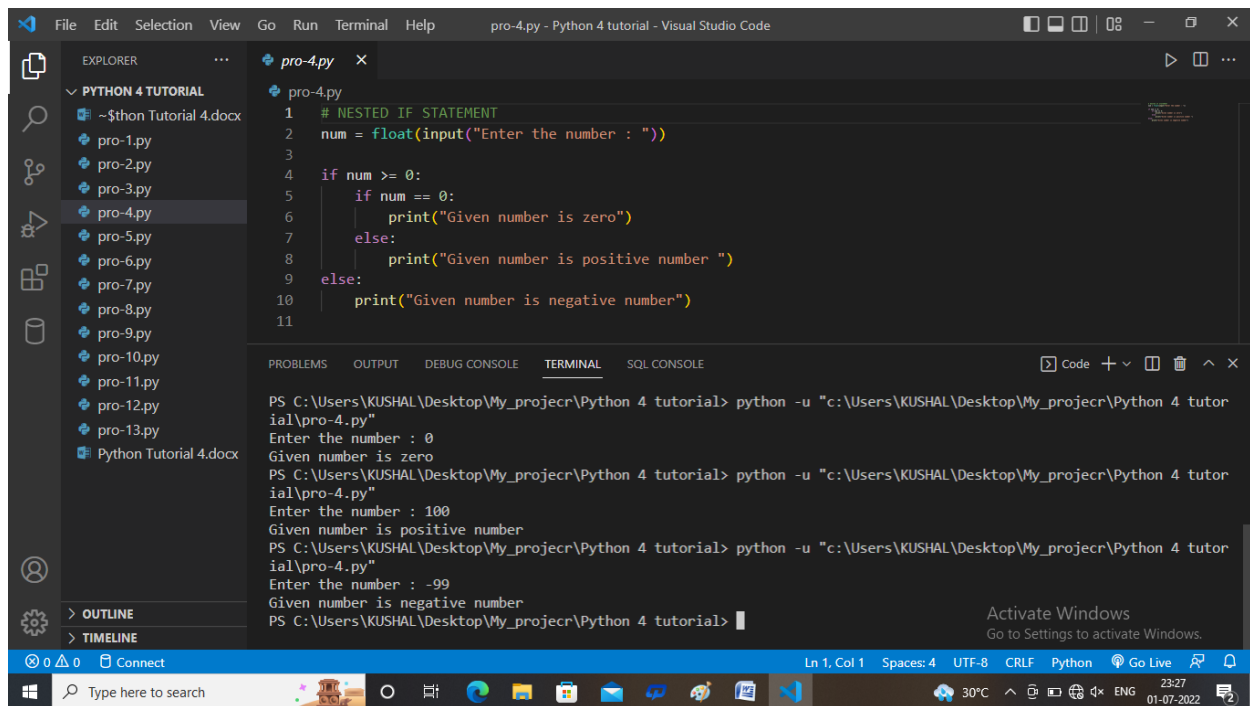
The screenshot shows the Visual Studio Code interface with a file explorer on the left containing a folder named 'PYTHON 4 TUTORIAL'. The file 'pro-3.py' is selected. The main editor displays the code for 'pro-3.py', which implements an if-elif-else statement to compare two numbers. The terminal at the bottom shows the execution of the script, with prompts for the first and second numbers and the resulting output.

```
1 # IF...ELIF...ELSE STATEMENT
2 a = float(input("Enter the first number : "))
3 b = float(input("Enter the second number : "))
4
5 if a == b:
6     print("Given both number are equal")
7 elif a > b:
8     print(a, " is geater number")
9 else:
10    print(b, " is geater number")
```

Terminal Output:

```
p\My_projecr\Python 4 tutorial\pro-3.py"
Enter the first number : 100
Enter the second number : 100
Given both number are equal
PS C:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial> python -u "c:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial\pro-3.py"
Enter the first number : 30
Enter the second number : 20
30.0 is geater number
PS C:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial> python -u "c:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial\pro-3.py"
Enter the first number : 50
Enter the second number : 500
500.0 is geater number
PS C:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial>
```

(PRACTICAL – 4):



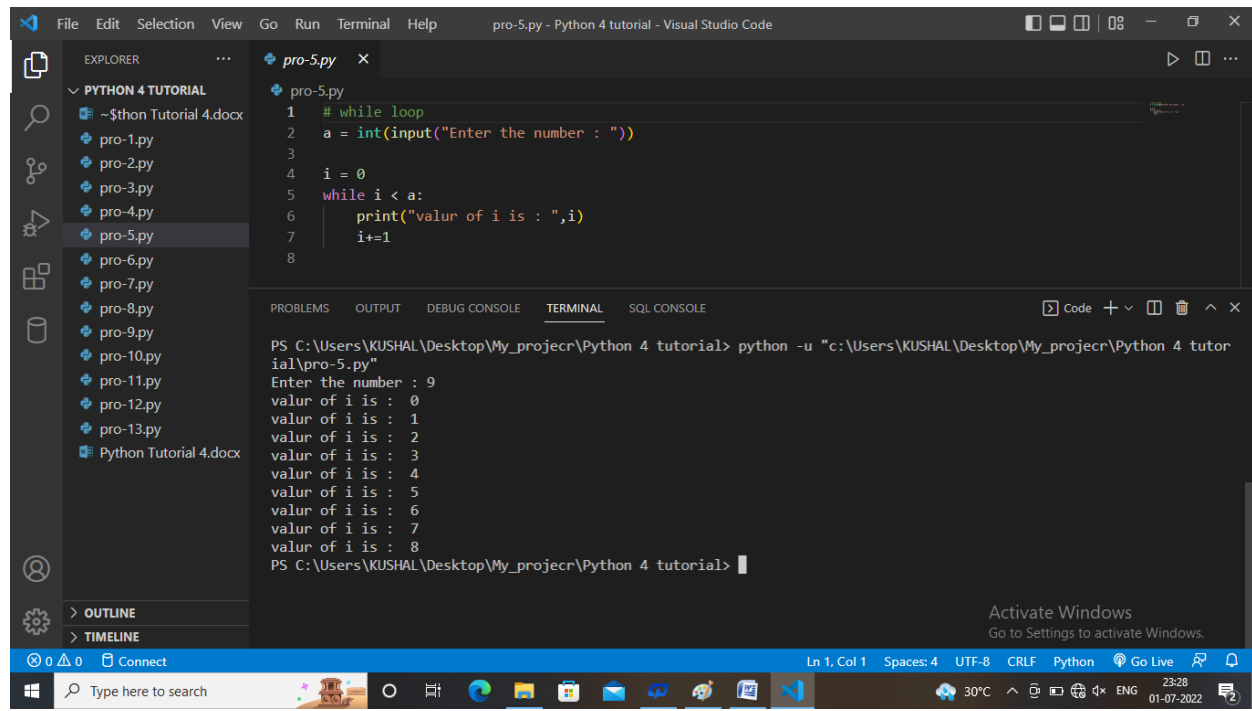
The screenshot shows the Visual Studio Code interface with a file explorer on the left containing a folder named 'PYTHON 4 TUTORIAL'. The file 'pro-4.py' is selected. The main editor displays the code for 'pro-4.py', which implements a nested if-else statement to check if a number is zero, positive, or negative. The terminal at the bottom shows the execution of the script, with prompts for the number and the resulting output.

```
1 # NESTED IF STATEMENT
2 num = float(input("Enter the number : "))
3
4 if num >= 0:
5     if num == 0:
6         print("Given number is zero")
7     else:
8         print("Given number is positive number ")
9 else:
10    print("Given number is negative number")
11
```

Terminal Output:

```
PS C:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial> python -u "c:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial\pro-4.py"
Enter the number : 0
Given number is zero
PS C:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial> python -u "c:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial\pro-4.py"
Enter the number : 100
Given number is positive number
PS C:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial> python -u "c:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial\pro-4.py"
Enter the number : -99
Given number is negative number
PS C:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial>
```

(PRACTICAL – 5):



The screenshot shows the Visual Studio Code interface with a file explorer on the left containing a folder named 'PYTHON 4 TUTORIAL'. The file 'pro-5.py' is selected. The code editor displays the following Python code:

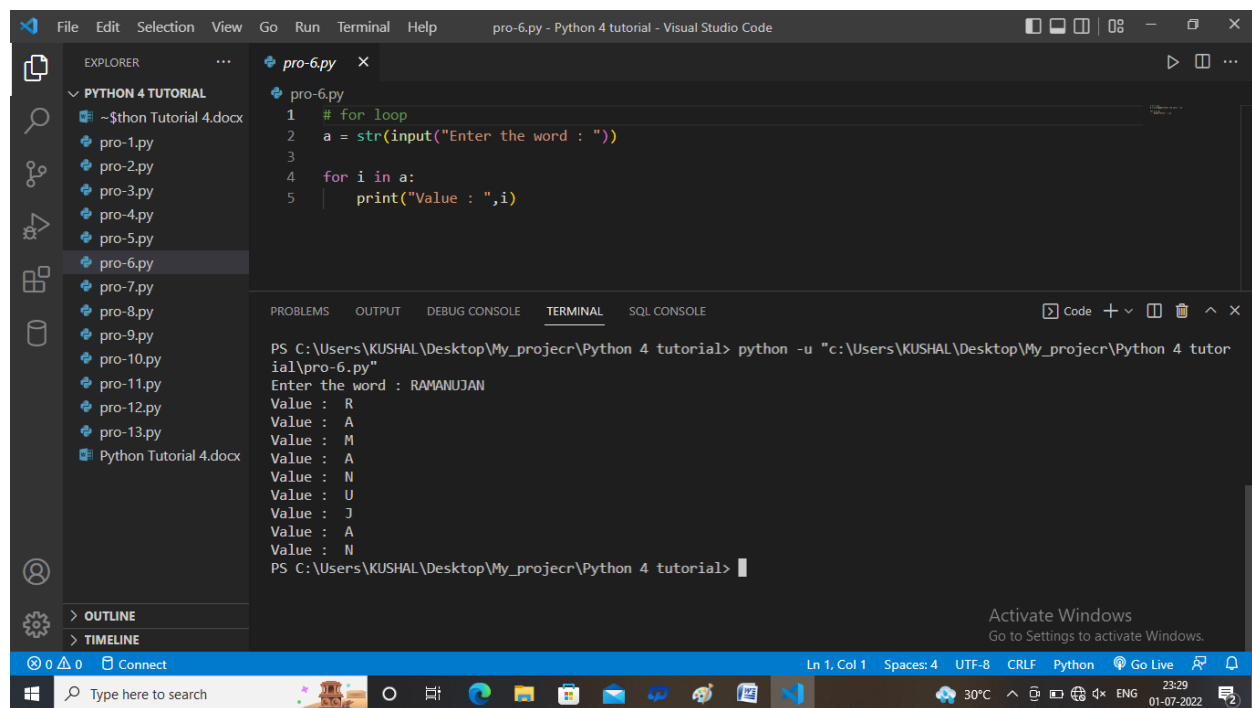
```
1 # while loop
2 a = int(input("Enter the number : "))
3
4 i = 0
5 while i < a:
6     print("value of i is : ",i)
7     i+=1
8
```

The terminal at the bottom shows the execution of the program:

```
PS C:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial> python -u "c:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial\pro-5.py"
Enter the number : 9
value of i is : 0
value of i is : 1
value of i is : 2
value of i is : 3
value of i is : 4
value of i is : 5
value of i is : 6
value of i is : 7
value of i is : 8
PS C:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial>
```

The status bar at the bottom indicates the file is 'pro-5.py', the encoding is 'UTF-8', and the line ending is 'CRLF'. The system tray shows the date as 01-07-2022.

(PRACTICAL – 6):



The screenshot shows the Visual Studio Code interface with a file explorer on the left containing a folder named 'PYTHON 4 TUTORIAL'. The file 'pro-6.py' is selected. The code editor displays the following Python code:

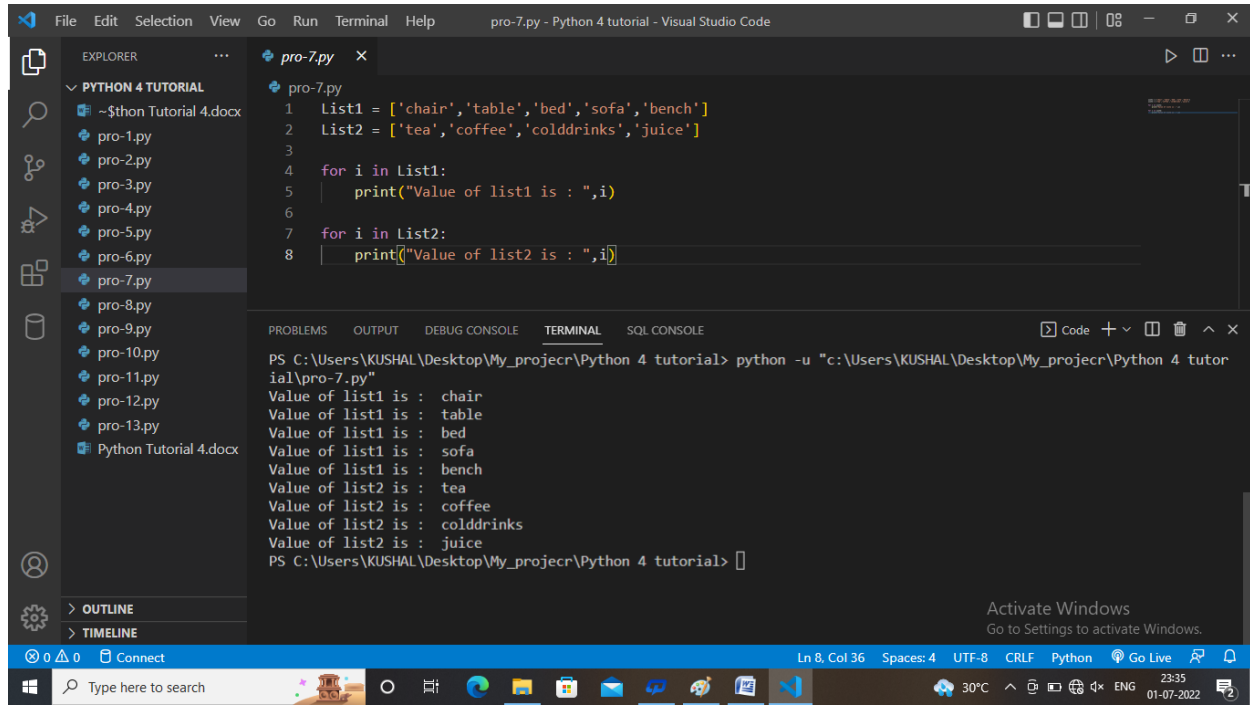
```
1 # for loop
2 a = str(input("Enter the word : "))
3
4 for i in a:
5     print("Value : ",i)
```

The terminal at the bottom shows the execution of the program:

```
PS C:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial> python -u "c:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial\pro-6.py"
Enter the word : RAMANUJAN
Value : R
Value : A
Value : M
Value : A
Value : N
Value : U
Value : J
Value : A
Value : N
PS C:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial>
```

The status bar at the bottom indicates the file is 'pro-6.py', the encoding is 'UTF-8', and the line ending is 'CRLF'. The system tray shows the date as 01-07-2022.

(PRACTICAL – 7):



The screenshot shows the Visual Studio Code interface with a file explorer on the left containing a directory named 'PYTHON 4 TUTORIAL' with files 'pro-1.py' through 'pro-13.py' and a document 'Python Tutorial 4.docx'. The main editor displays 'pro-7.py' with the following code:

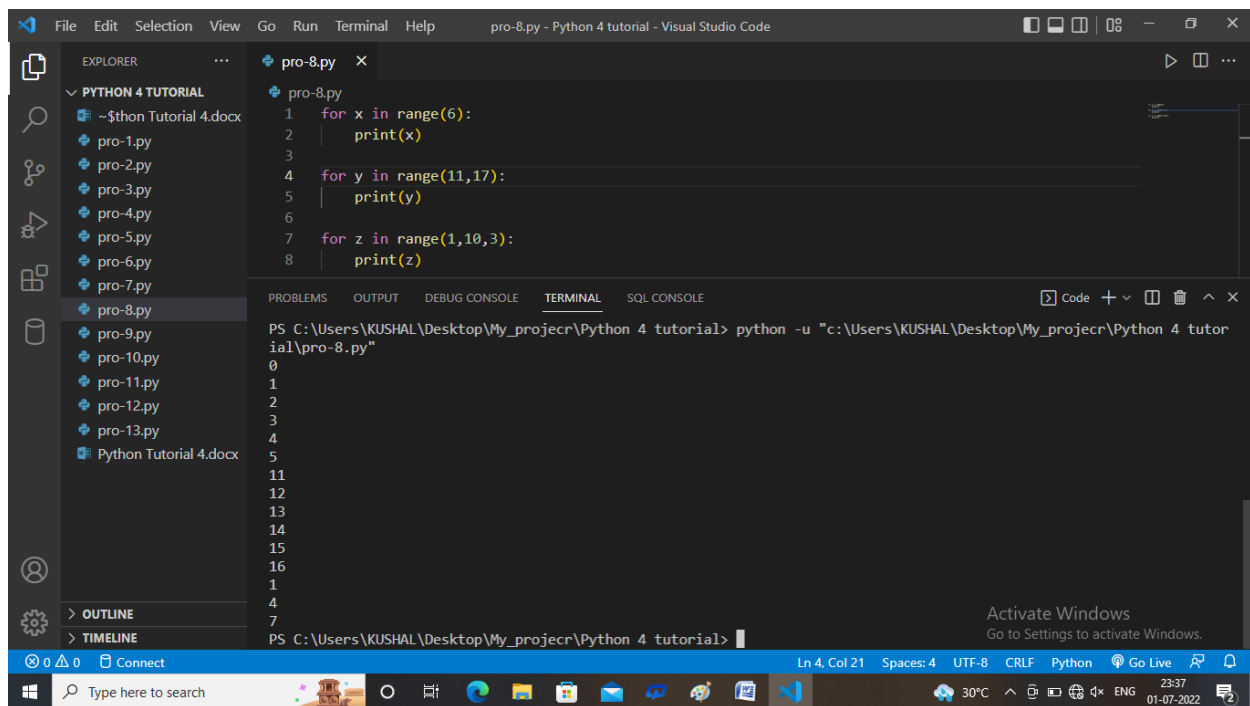
```
1 List1 = ['chair','table','bed','sofa','bench']
2 List2 = ['tea','coffee','colddrinks','juice']
3
4 for i in List1:
5     print("Value of list1 is : ",i)
6
7 for i in List2:
8     print("Value of list2 is : ",i)
```

The terminal at the bottom shows the command `python -u "c:\Users\KUSHAL\Desktop\My_project\Python 4 tutorial\pro-7.py"` and its output:

```
Value of list1 is : chair
Value of list1 is : table
Value of list1 is : bed
Value of list1 is : sofa
Value of list1 is : bench
Value of list2 is : tea
Value of list2 is : coffee
Value of list2 is : colddrinks
Value of list2 is : juice
PS C:\Users\KUSHAL\Desktop\My_project\Python 4 tutorial>
```

The status bar at the bottom indicates 'Ln 8, Col 36', 'Spaces: 4', 'UTF-8', 'CRLF', 'Python', and 'Go Live'. The Windows taskbar at the very bottom shows the search bar, taskbar icons, system tray with 30°C, and the date 01-07-2022.

(PRACTICAL – 8):



The screenshot shows the Visual Studio Code interface with a file explorer on the left containing a directory named 'PYTHON 4 TUTORIAL' with files 'pro-1.py' through 'pro-13.py' and a document 'Python Tutorial 4.docx'. The main editor displays 'pro-8.py' with the following code:

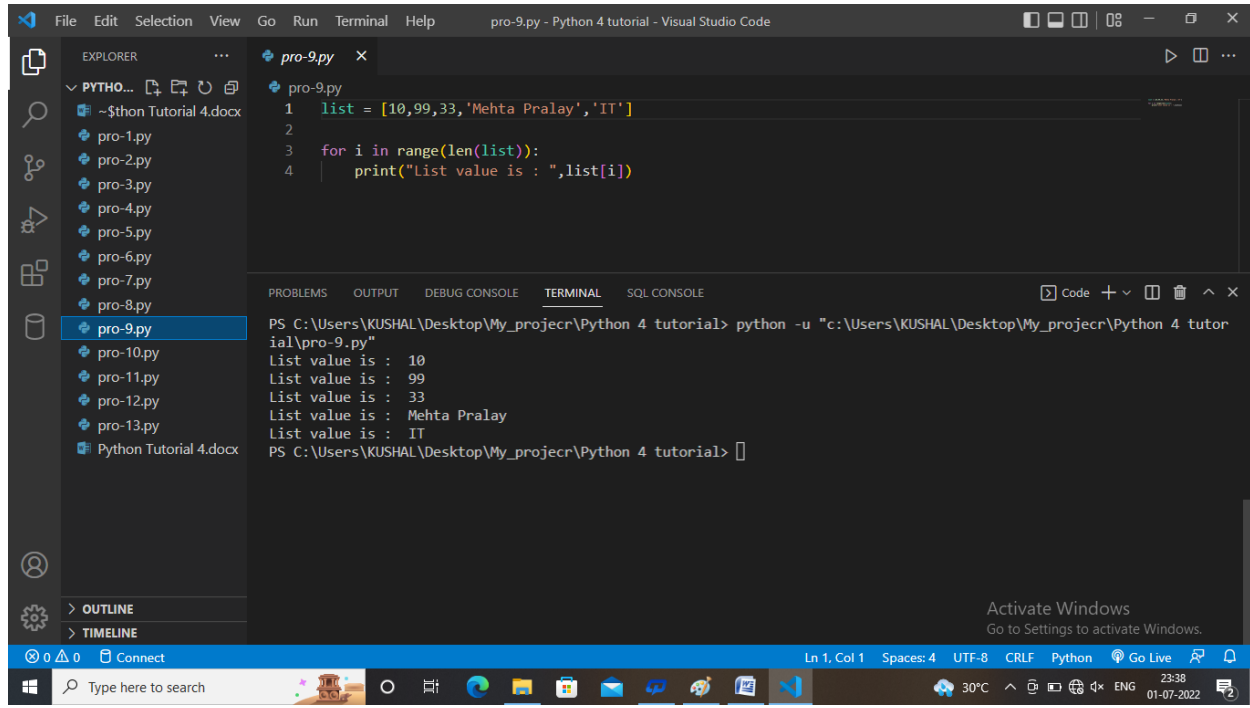
```
1 for x in range(6):
2     print(x)
3
4 for y in range(11,17):
5     print(y)
6
7 for z in range(1,10,3):
8     print(z)
```

The terminal at the bottom shows the command `python -u "c:\Users\KUSHAL\Desktop\My_project\Python 4 tutorial\pro-8.py"` and its output:

```
0
1
2
3
4
5
11
12
13
14
15
16
4
7
PS C:\Users\KUSHAL\Desktop\My_project\Python 4 tutorial>
```

The status bar at the bottom indicates 'Ln 4, Col 21', 'Spaces: 4', 'UTF-8', 'CRLF', 'Python', and 'Go Live'. The Windows taskbar at the very bottom shows the search bar, taskbar icons, system tray with 30°C, and the date 01-07-2022.

(PRACTICAL – 9):



```
File Edit Selection View Go Run Terminal Help pro-9.py - Python 4 tutorial - Visual Studio Code
```

EXPLORER

- ~\$thon Tutorial 4.docx
- pro-1.py
- pro-2.py
- pro-3.py
- pro-4.py
- pro-5.py
- pro-6.py
- pro-7.py
- pro-8.py
- pro-9.py**
- pro-10.py
- pro-11.py
- pro-12.py
- pro-13.py
- Python Tutorial 4.docx

pro-9.py

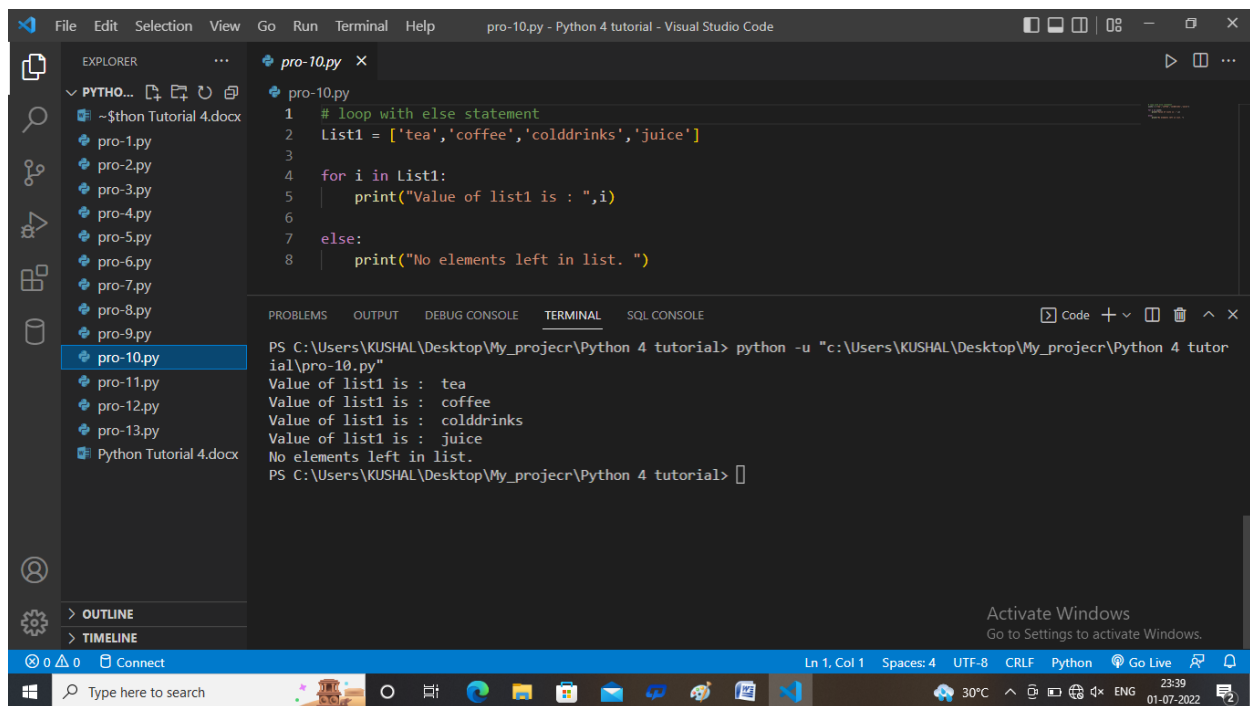
```
1 list = [10,99,33,'Mehta Pralay','IT']
2
3 for i in range(len(list)):
4     print("List value is : ",list[i])
```

TERMINAL

```
PS C:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial> python -u "c:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial\pro-9.py"
List value is : 10
List value is : 99
List value is : 33
List value is : Mehta Pralay
List value is : IT
PS C:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial>
```

Activate Windows
Go to Settings to activate Windows.

(PRACTICAL – 10):



```
File Edit Selection View Go Run Terminal Help pro-10.py - Python 4 tutorial - Visual Studio Code
```

EXPLORER

- ~\$thon Tutorial 4.docx
- pro-1.py
- pro-2.py
- pro-3.py
- pro-4.py
- pro-5.py
- pro-6.py
- pro-7.py
- pro-8.py
- pro-9.py
- pro-10.py**
- pro-11.py
- pro-12.py
- pro-13.py
- Python Tutorial 4.docx

pro-10.py

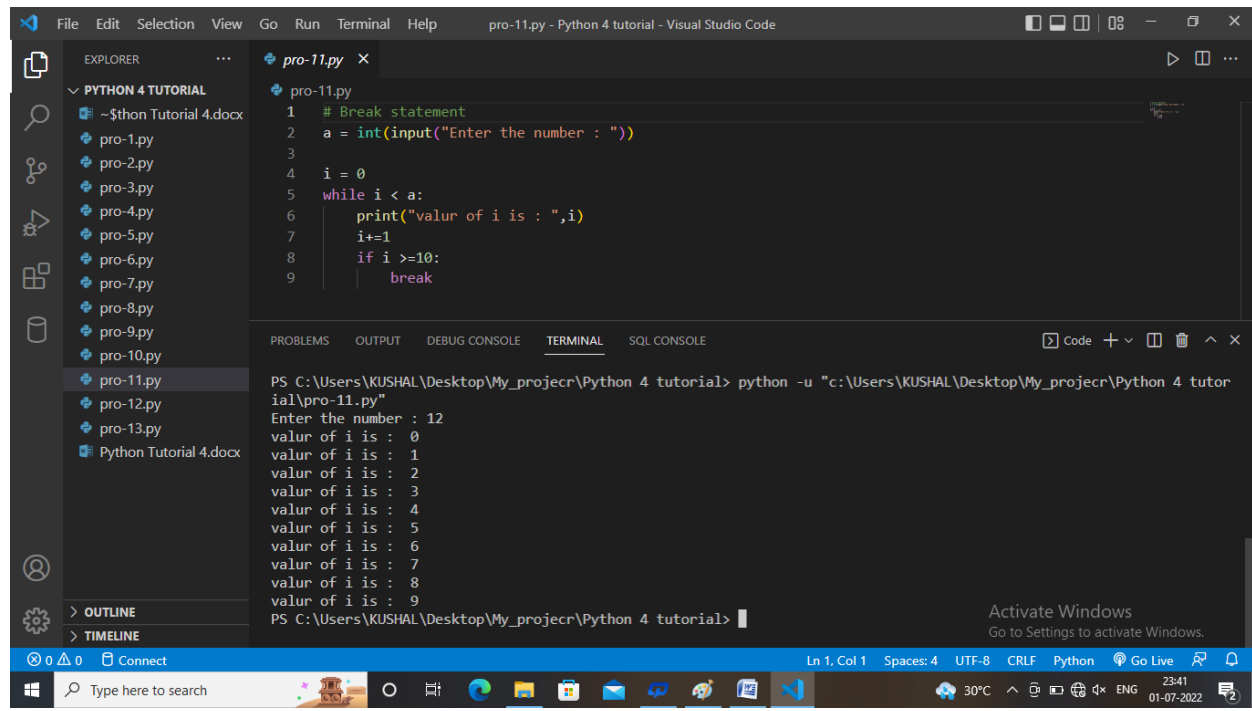
```
1 # loop with else statement
2 list1 = ['tea','coffee','colddrinks','juice']
3
4 for i in list1:
5     print("Value of list1 is : ",i)
6
7 else:
8     print("No elements left in list. ")
```

TERMINAL

```
PS C:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial> python -u "c:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial\pro-10.py"
Value of list1 is : tea
Value of list1 is : coffee
Value of list1 is : colddrinks
Value of list1 is : juice
No elements left in list.
PS C:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial>
```

Activate Windows
Go to Settings to activate Windows.

(PRACTICAL – 11):



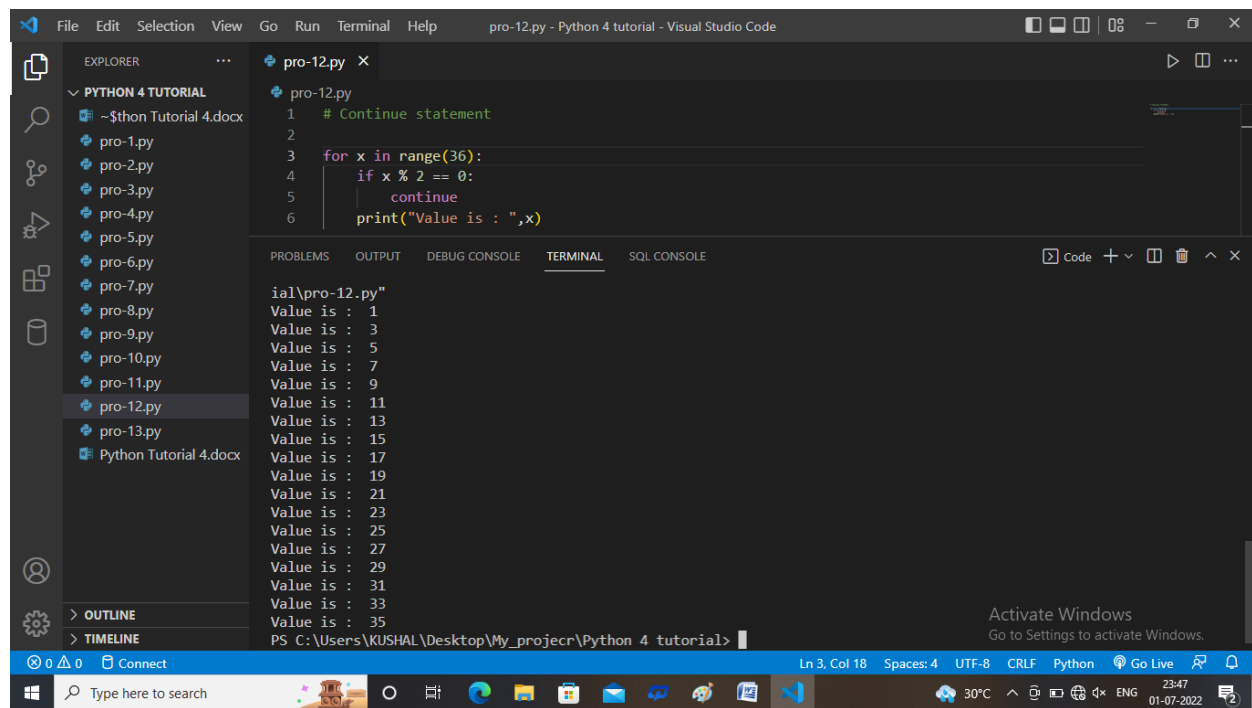
The screenshot shows the Visual Studio Code interface with a Python file named `pro-11.py` open. The file contains a `while` loop that prints the value of `i` from 0 to 9 and then breaks. The terminal shows the command `python -u "c:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial\pro-11.py"` and the output of the program.

```
1 # Break statement
2 a = int(input("Enter the number : "))
3
4 i = 0
5 while i < a:
6     print("value of i is : ",i)
7     i+=1
8     if i >=10:
9         break
```

Terminal Output:

```
PS C:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial> python -u "c:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial\pro-11.py"
Enter the number : 12
value of i is : 0
value of i is : 1
value of i is : 2
value of i is : 3
value of i is : 4
value of i is : 5
value of i is : 6
value of i is : 7
value of i is : 8
value of i is : 9
PS C:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial>
```

(PRACTICAL – 12):



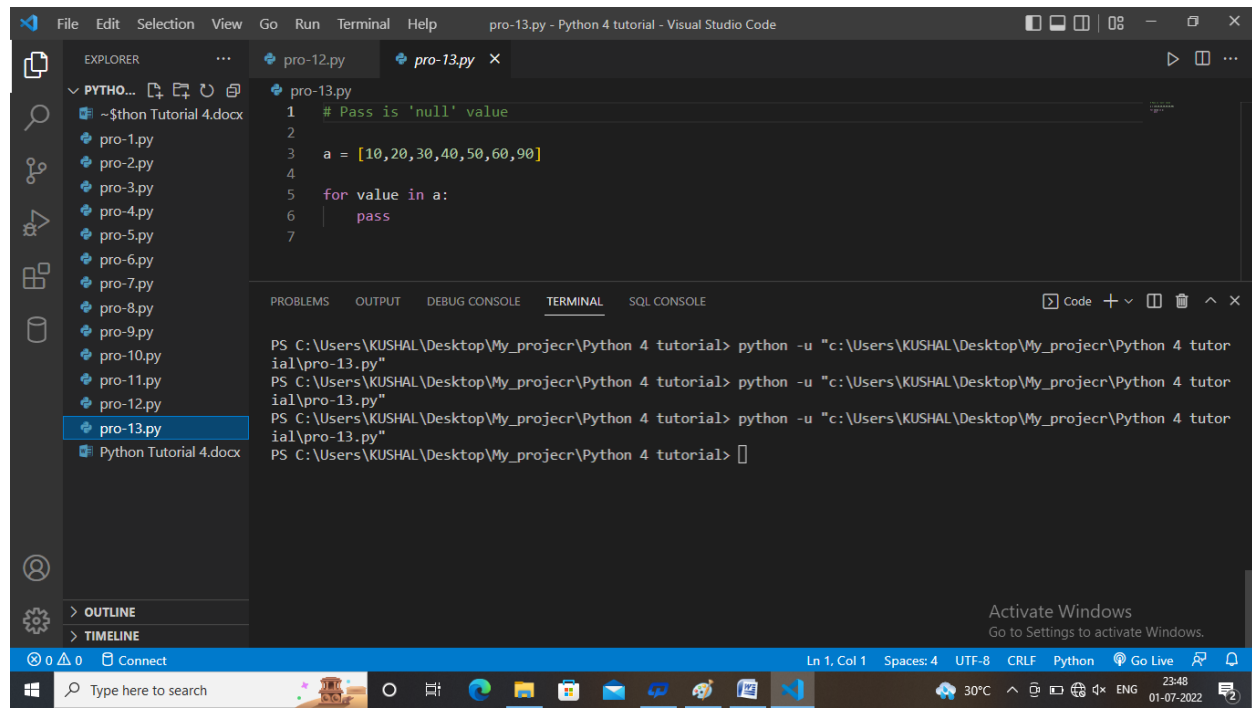
The screenshot shows the Visual Studio Code interface with a Python file named `pro-12.py` open. The file contains a `for` loop that prints the value of `x` from 1 to 35, skipping even numbers. The terminal shows the command `python -u "c:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial\pro-12.py"` and the output of the program.

```
1 # Continue statement
2
3 for x in range(36):
4     if x % 2 == 0:
5         continue
6     print("Value is : ",x)
```

Terminal Output:

```
PS C:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial> python -u "c:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial\pro-12.py"
Value is : 1
Value is : 3
Value is : 5
Value is : 7
Value is : 9
Value is : 11
Value is : 13
Value is : 15
Value is : 17
Value is : 19
Value is : 21
Value is : 23
Value is : 25
Value is : 27
Value is : 29
Value is : 31
Value is : 33
Value is : 35
PS C:\Users\KUSHAL\Desktop\My_projecr\Python 4 tutorial>
```

(PRACTICAL – 13):





THE END