
 Marwadi University Marwadi Chandarana Group 	Marwadi University Faculty of Engineering & Technology Department of Information and Communication Technology	
Subject: Programming With Python (01CT1309)	Aim: Write a program to create, concatenate and print a string and accessing substring from a given string.	
Experiment No: 03	Date:21-7-2025	Enrollment No:92400133108

Aim: Write a program to create, concatenate and print a string and accessing substring from a given string.

IDE: VS-code



Slicing and indexing are two fundamental concepts in Python. They help us access specific elements in a sequence, such as a string or (list and tuple).

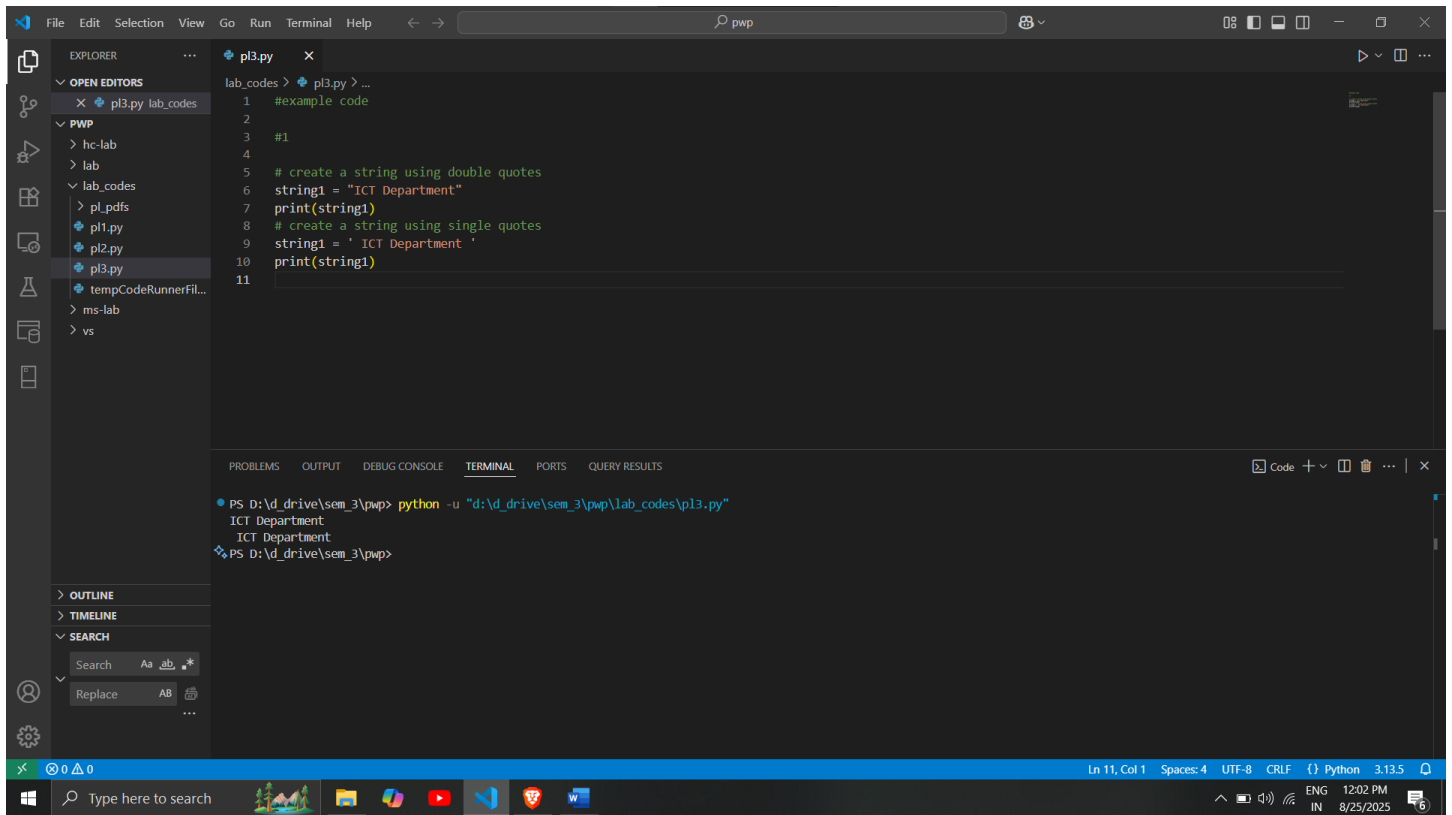
Indexing in Python

Indexing is the process of accessing an element in a sequence using its position in the sequence (its index). In Python, indexing starts from 0, which means the first element in a sequence is at position 0, the second element is at position 1, and so on. To access an element in a sequence, you can use square brackets [] with the index of the element you want to access.

Let's consider the following example:

```
# create a string using double quotes
string1 = "ICT Department"
print(string1)
# create a string using single quotes
string1 = ' ICT Department '
print(string1)
Output
```

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The screenshot shows a Visual Studio Code editor window with a Python file named `pl3.py` open. The code in the file is as follows:

```

1  #example code
2
3  #1
4
5  # create a string using double quotes
6  string1 = "ICT Department"
7  print(string1)
8  # create a string using single quotes
9  string1 = ' ICT Department '
10 print(string1)
11

```

The terminal at the bottom shows the command `python -u "d:\d_drive\sem_3\pwp\lab_codes\pl3.py"` being executed, resulting in the output:

```

ICT Department
 ICT Department

```

The status bar at the bottom indicates the file is at line 11, column 1, using UTF-8 encoding with CRLF line endings, and the Python interpreter is set to 3.13.5.



Access String Characters in Python

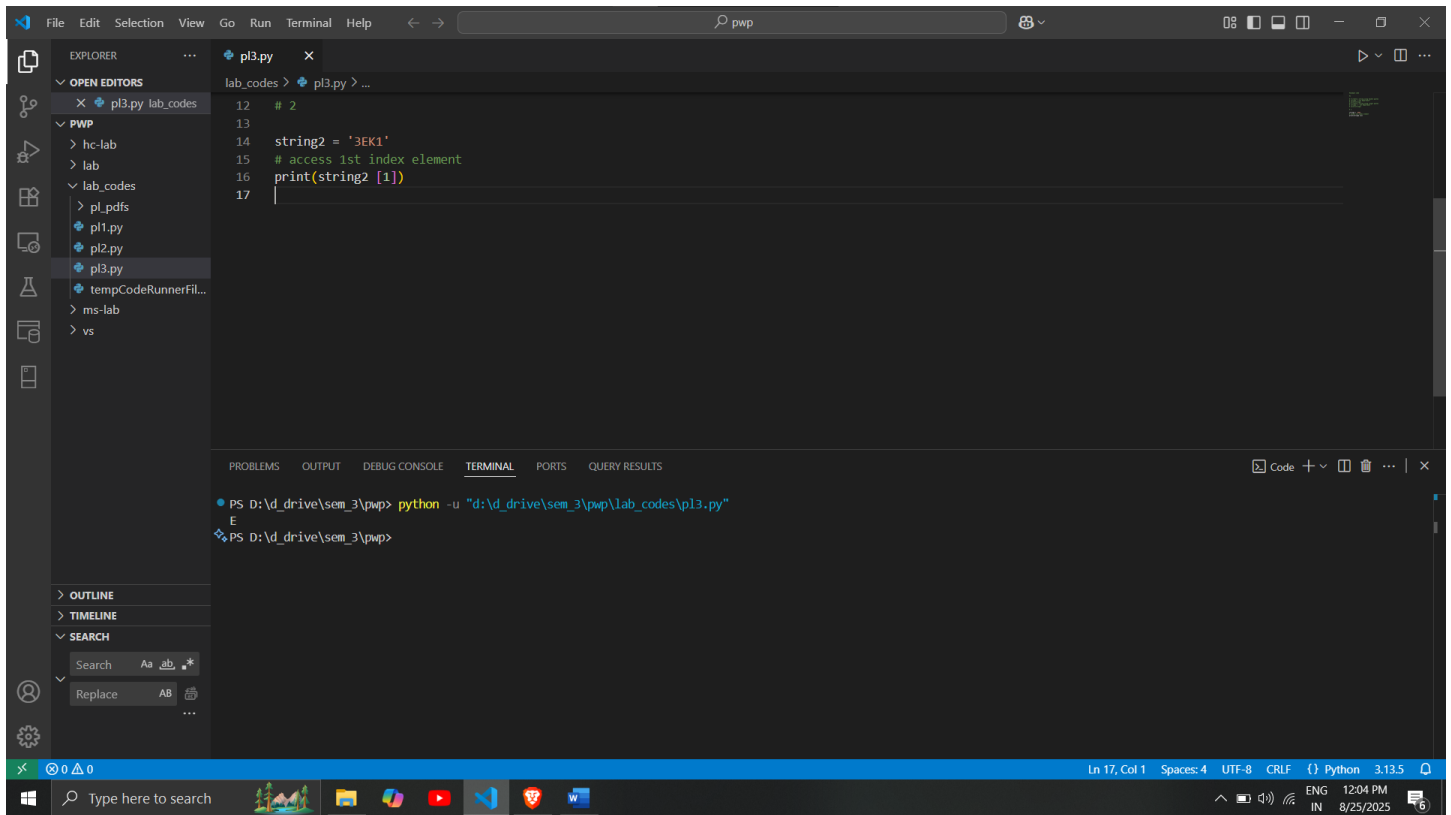
```
string2 = '3EK1'
```

```
# access 1st index element
```

```
print(string2 [1])
```

Output:

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The screenshot shows the Visual Studio Code interface. The Explorer panel on the left shows a project structure with folders like 'lab_codes' and 'pl3.py'. The main editor window displays the following Python code:

```

12 # 2
13
14 string2 = '3EK1'
15 # access 1st index element
16 print(string2 [1])
17

```

The TERMINAL panel at the bottom shows the command prompt output:

```

PS D:\drive\sem_3\pwp> python -u "d:\drive\sem_3\pwp\lab_codes\pl3.py"
E
PS D:\drive\sem_3\pwp>

```

The status bar at the bottom indicates the file is at Line 17, Column 1, using UTF-8 encoding, CRLF line endings, and Python 3.13.5.

Negative Indexing:



Python allows negative indexing for its strings. For example,

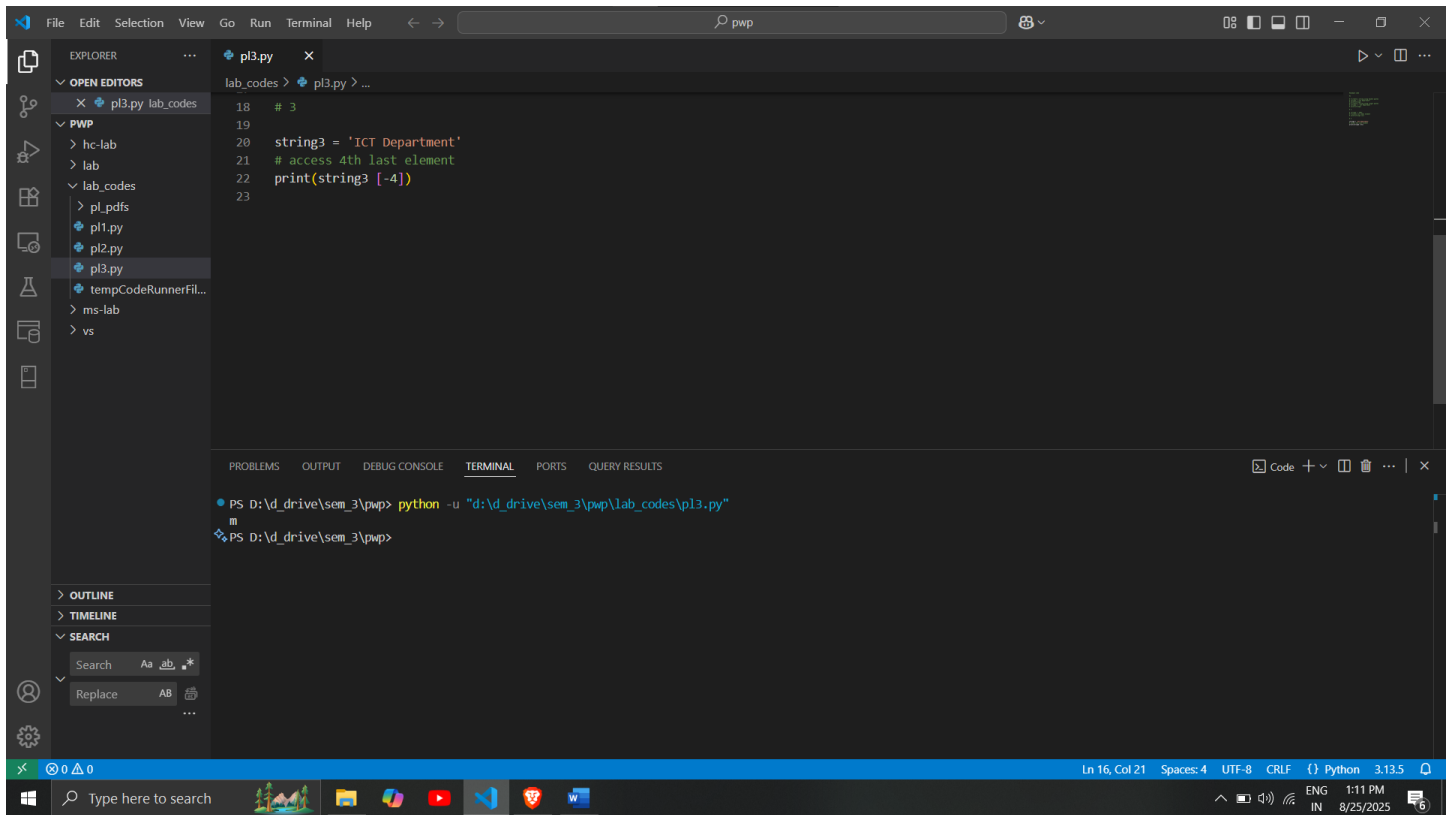
```
string3 = 'ICT Department'
```

```
# access 4th last element
```

```
print(string3 [-4])
```

output:

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The screenshot shows a Visual Studio Code editor with a Python file named `pl3.py` open. The code in the file is as follows:

```

18 # 3
19
20 string3 = 'ICT Department'
21 # access 4th last element
22 print(string3 [-4])
23

```

The terminal at the bottom shows the command to run the script:

```

PS D:\drive\sem_3\pwp> python -u "d:\drive\sem_3\pwp\lab_codes\pl3.py"
m
PS D:\drive\sem_3\pwp>

```

The output of the script is the character 'm', which is the 4th last element of the string 'ICT Department'.

Slicing in Python

Slicing is the process of accessing a sub-sequence of a sequence by specifying a starting and ending index. In Python, you perform slicing using the colon: operator. The syntax for slicing is as follows:

Example:

```
sequence[start_index:end_index]
```



where `start_index` is the index of the first element in the sub-sequence and `end_index` is the index of the last element in the sub-sequence (excluding the element at the `end_index`). To slice a sequence, you can use square brackets `[]` with the start and end indices separated by a colon.

For example,

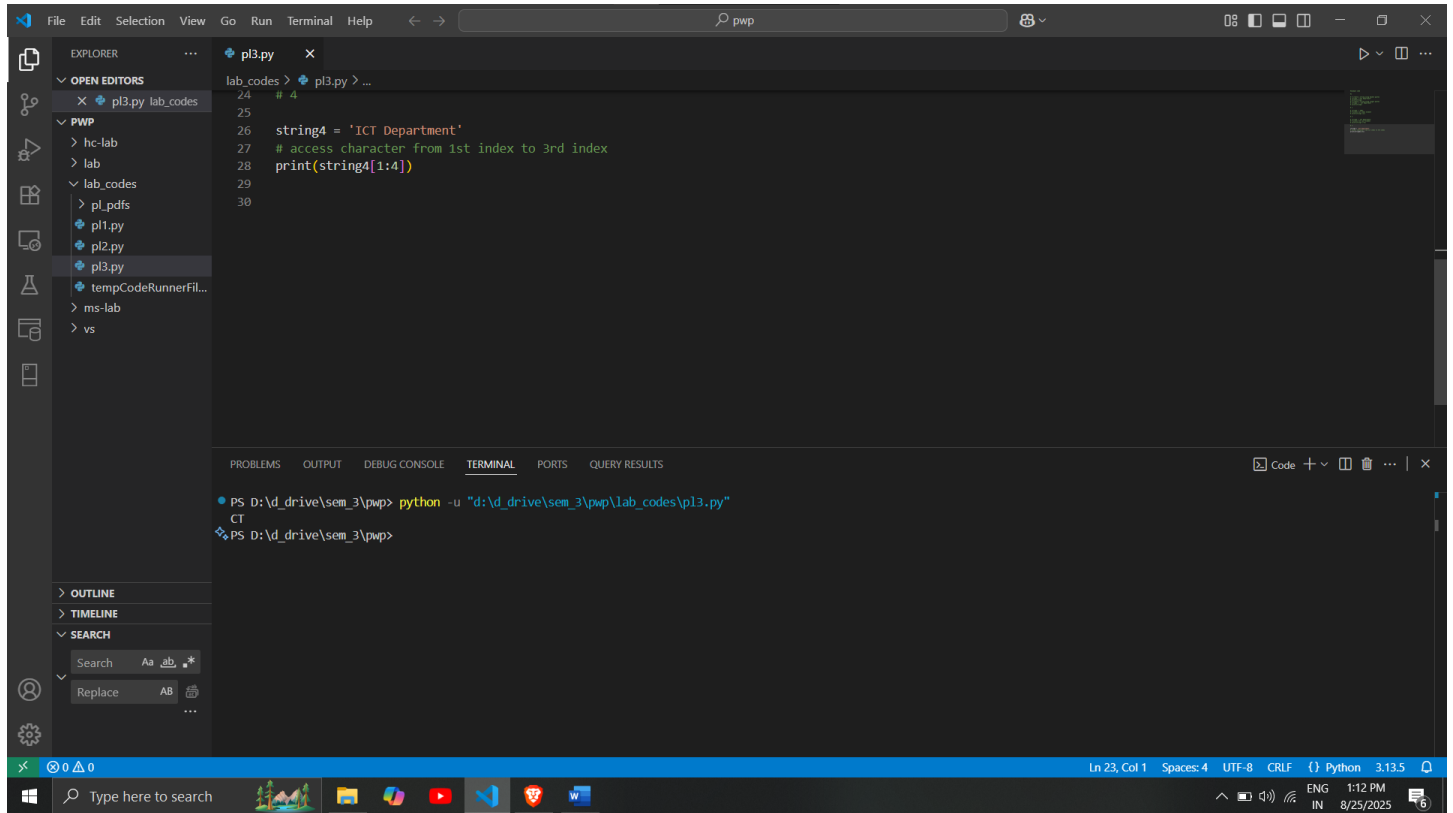
```
string4 = 'ICT Department'
```

```
# access character from 1st index to 3rd index
```

```
print(string4[1:4])
```

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Output:



The screenshot shows a Visual Studio Code editor with a file explorer on the left. The file explorer shows a project structure with folders like 'lab_codes' and 'pl3.py'. The main editor window displays the following Python code:

```

24 # 4
25
26 string4 = 'ICT Department'
27 # access character from 1st index to 3rd index
28 print(string4[1:4])
29
30

```

The terminal at the bottom shows the command to run the script:

```

PS D:\d_drive\sem_3\pwp> python -u "d:\d_drive\sem_3\pwp\lab_codes\pl3.py"
CT
PS D:\d_drive\sem_3\pwp>

```



The output of the script is 'CT', which is printed in the terminal.

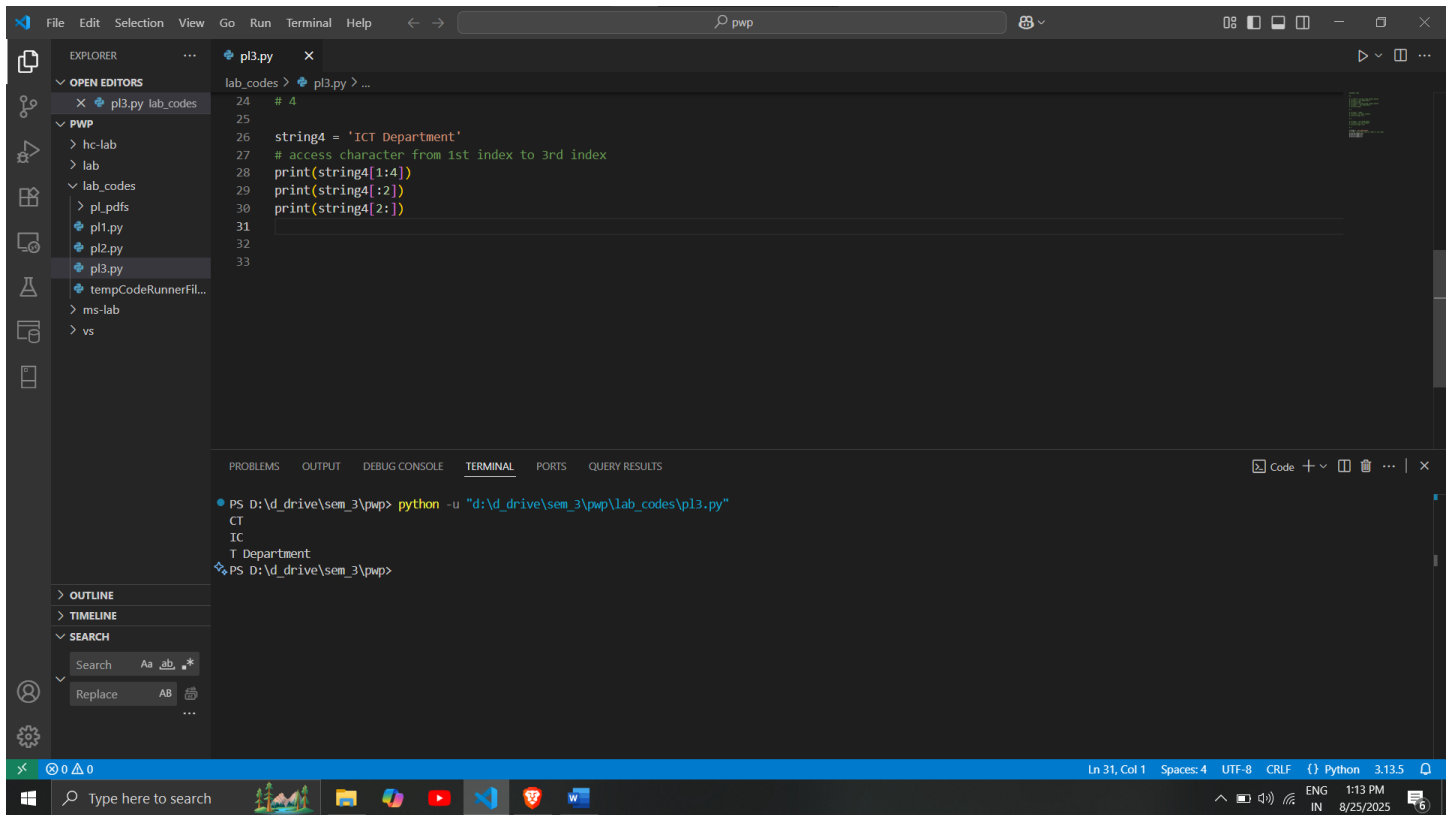
You can also omit either the start_index or the end_index in a slice to get all the elements from the beginning or end of the sequence. For example:

```
print(string4[:2])
```

```
print(string4[2:])
```

output:

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```

24 # 4
25
26 string4 = 'ICT Department'
27 # access character from 1st index to 3rd index
28 print(string4[1:4])
29 print(string4[:2])
30 print(string4[2:])
31
32
33

```

```

PS D:\drive\sem_3\pwp> python -u "d:\drive\sem_3\pwp\lab_codes\pl3.py"
CT
IC
T Department
PS D:\drive\sem_3\pwp>

```

In the first line of the above code, we have used slicing to get all the elements from the beginning of string4 up to (but not including) the element at index 2. In the second line, we have used slicing to get all the elements from index 2 to the end of string4.

Python Strings are Immutable



In Python, strings are immutable. That means the characters of a string cannot be changed. For example,

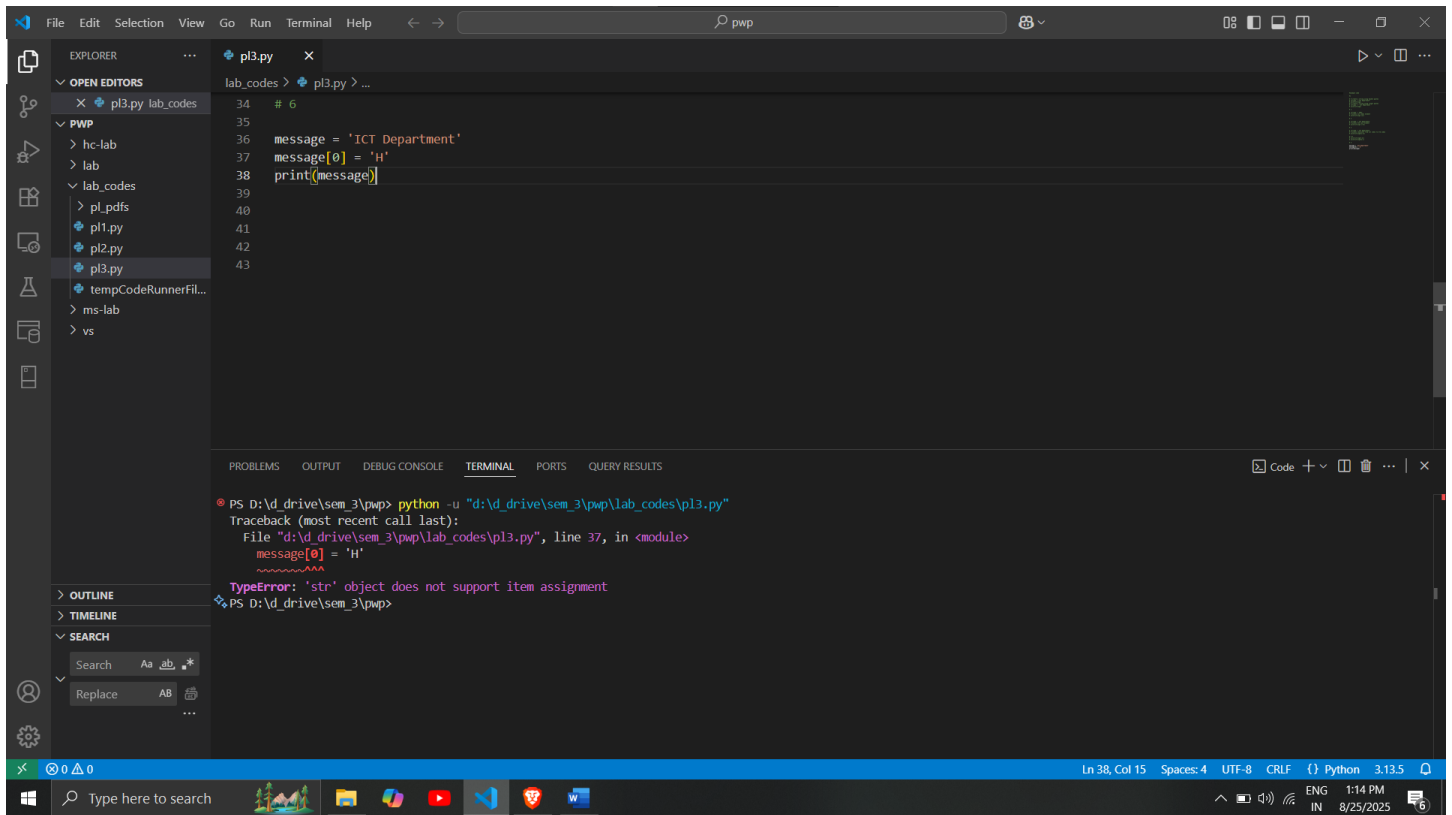
```

message = 'ICT Department'
message[0] = 'H'
print(message)

```

Output:

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The screenshot shows the Visual Studio Code interface. The Explorer panel on the left shows a project structure with folders like 'lab_codes' and 'pl3.py'. The main editor window displays the following Python code:

```

34 # 6
35
36 message = 'ICT Department'
37 message[0] = 'H'
38 print(message)
39
40
41
42
43

```

The TERMINAL panel at the bottom shows the command prompt output:

```

PS D:\drive\sem_3\pwp> python -u "d:\drive\sem_3\pwp\lab_codes\pl3.py"
Traceback (most recent call last):
  File "d:\drive\sem_3\pwp\lab_codes\pl3.py", line 37, in <module>
    message[0] = 'H'
    ~~~~~^~~~~
TypeError: 'str' object does not support item assignment
PS D:\drive\sem_3\pwp>

```



However, we can assign the variable name to a new string. For example,

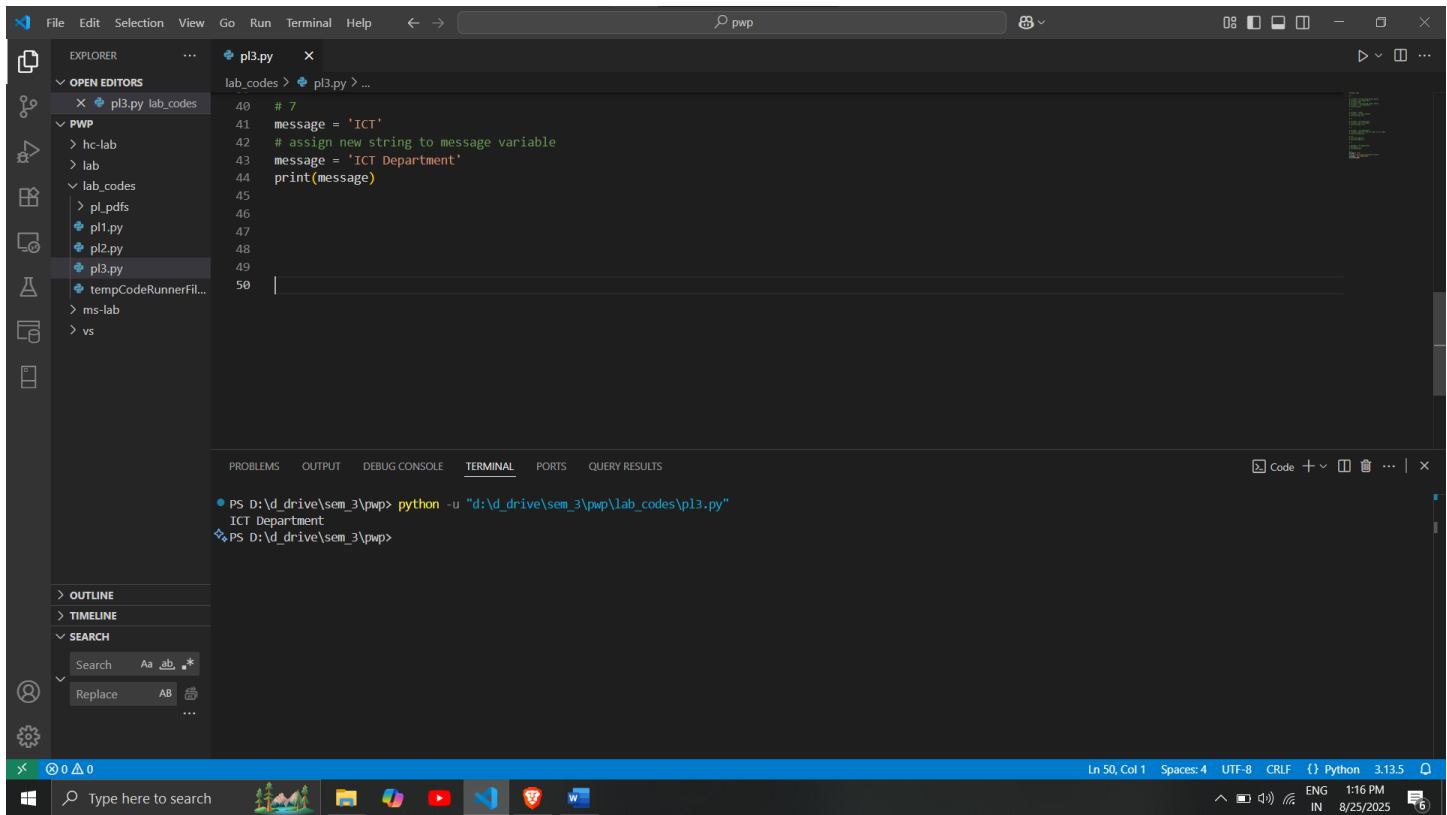
```

message = 'ICT'
# assign new string to message variable
message = 'ICT Department'
print(message)

```

Output

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The screenshot shows a Visual Studio Code editor window with a file explorer on the left and a terminal at the bottom. The file explorer shows a project structure with folders like 'lab_codes' and 'pl3.py'. The main editor area displays the following Python code:

```

40 # 7
41 message = 'ICT'
42 # assign new string to message variable
43 message = 'ICT Department'
44 print(message)
45
46
47
48
49
50

```

The terminal at the bottom shows the command `python -u "d:\d_drive\sem_3\pwp\lab_codes\pl3.py"` being executed, resulting in the output `ICT Department`.

Python Multiline String

We can also create a multiline string in Python. For this, we use triple double quotes `"""` or triple single quotes `'''`.

For example,

```
# multiline string
```

```
message = """
```

```
ICT
```



```
Department
```

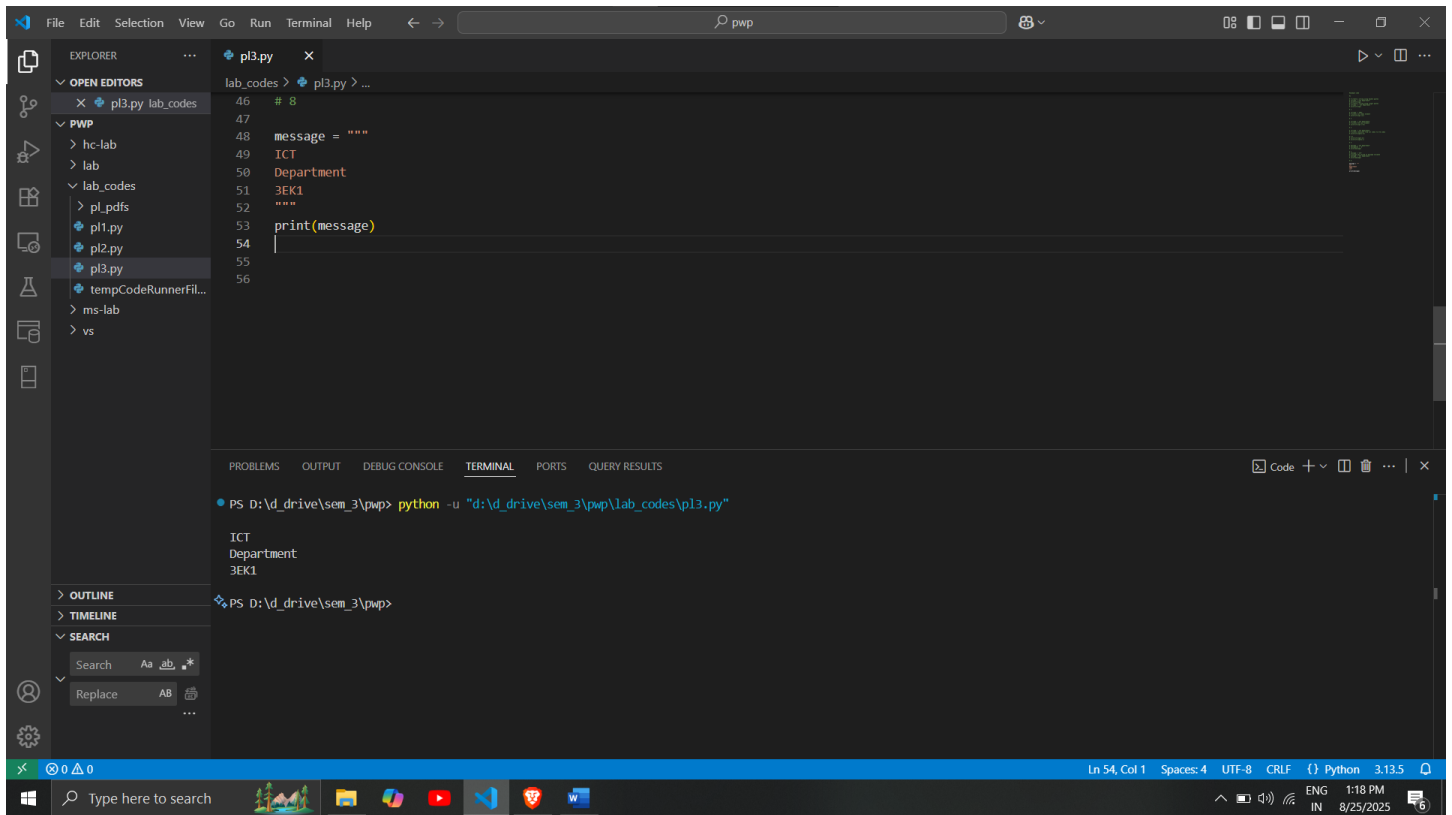
```
3EK1
```

```
"""
```

```
print(message)
```

Output:

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The screenshot shows a Visual Studio Code editor window. The Explorer sidebar on the left shows a project structure with folders like 'lab_codes' and 'pl3.py'. The main editor area displays a Python script named 'pl3.py' with the following code:

```

46 # 8
47
48 message = ""
49 ICT
50 Department
51 3EK1
52 ""
53 print(message)
54
55
56

```

Below the code editor, the TERMINAL panel shows the command executed and its output:

```

PS D:\d_drive\sem_3\pwp> python -u "d:\d_drive\sem_3\pwp\lab_codes\pl3.py"

ICT
Department
3EK1

```

The status bar at the bottom indicates the file is at Line 54, Column 1, using UTF-8 encoding and CRLF line endings.

Python String Operations

Many operations can be performed with strings, which makes it one of the most used data types in Python.

1. Compare Two Strings

For example,

```
str1 = "ICT"
```

```
str2 = "Department"
```


```
str3 = "3EK1"
```

```
# compare str1 and str2
```

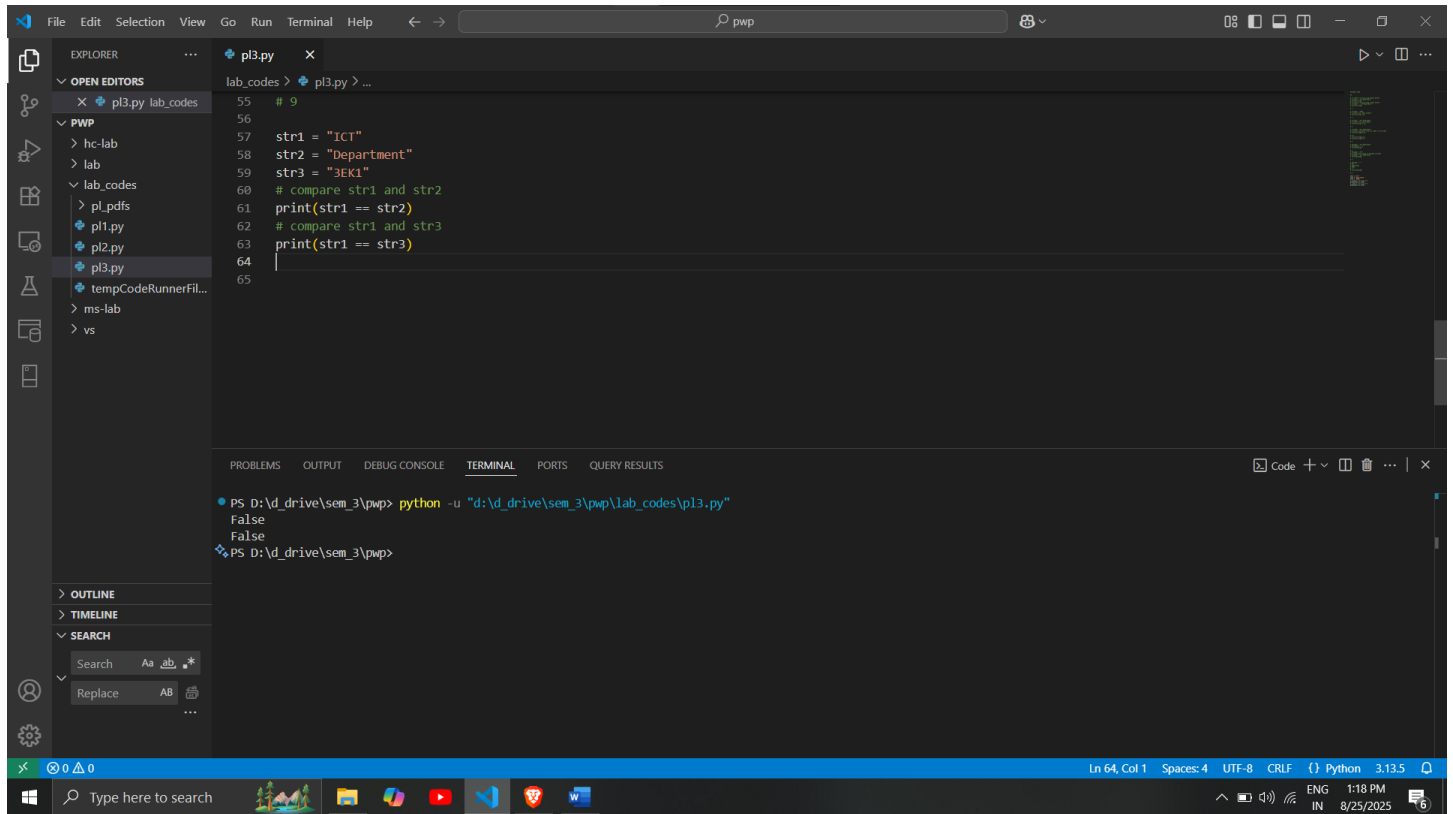
```
print(str1 == str2)
```

```
# compare str1 and str3
```

```
print(str1 == str3)
```

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Output:



```

55 # 9
56
57 str1 = "ICT"
58 str2 = "Department"
59 str3 = "3EK1"
60 # compare str1 and str2
61 print(str1 == str2)
62 # compare str1 and str3
63 print(str1 == str3)
64
65

```

```

PS D:\d_drive\sem_3\pwp> python -u "d:\d_drive\sem_3\pwp\lab_codes\pl3.py"
False
False
PS D:\d_drive\sem_3\pwp>

```

2. Join Two or More Strings



In Python, we can join (concatenate) two or more strings using the + operator.

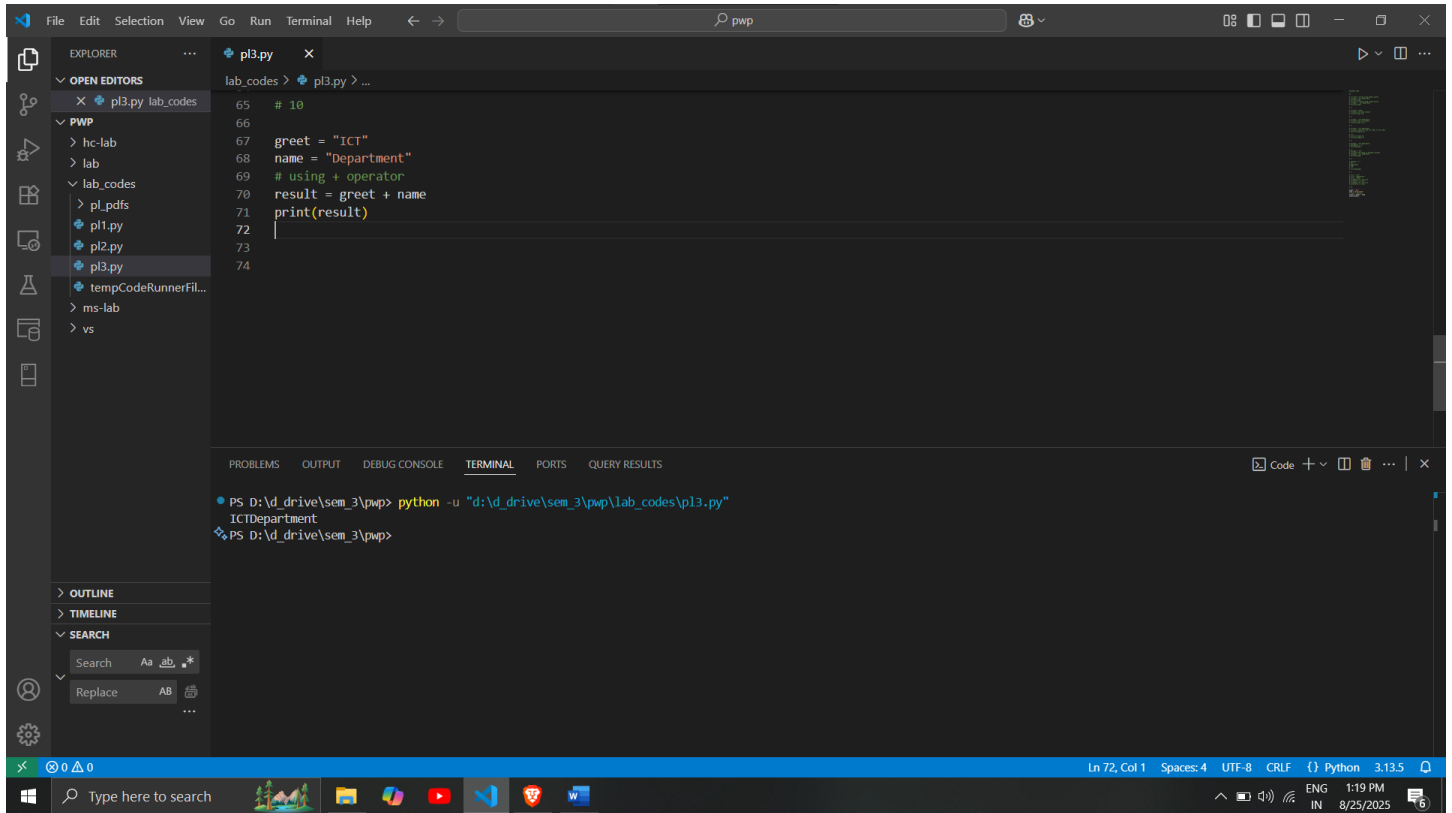
```

greet = "ICT"
name = "Department"
# using + operator
result = greet + name
print(result)

```

Output:

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The screenshot shows the Visual Studio Code interface. The Explorer panel on the left displays the file structure with 'pl3.py' selected. The main editor window shows the following Python code:

```

65 # 10
66
67 greet = "ICT"
68 name = "Department"
69 # using + operator
70 result = greet + name
71 print(result)
72
73
74

```

The TERMINAL panel at the bottom shows the command prompt output:

```

PS D:\d_drive\sem_3\pwp> python -u "d:\d_drive\sem_3\pwp\lab_codes\pl3.py"
ICTDepartment
PS D:\d_drive\sem_3\pwp>

```

The status bar at the bottom indicates the current line and column (Ln 72, Col 1), encoding (UTF-8), line ending (CRLF), and language (Python 3.13.5).

Python String Length



In Python, we use the len() method to find the length of a string. For example,

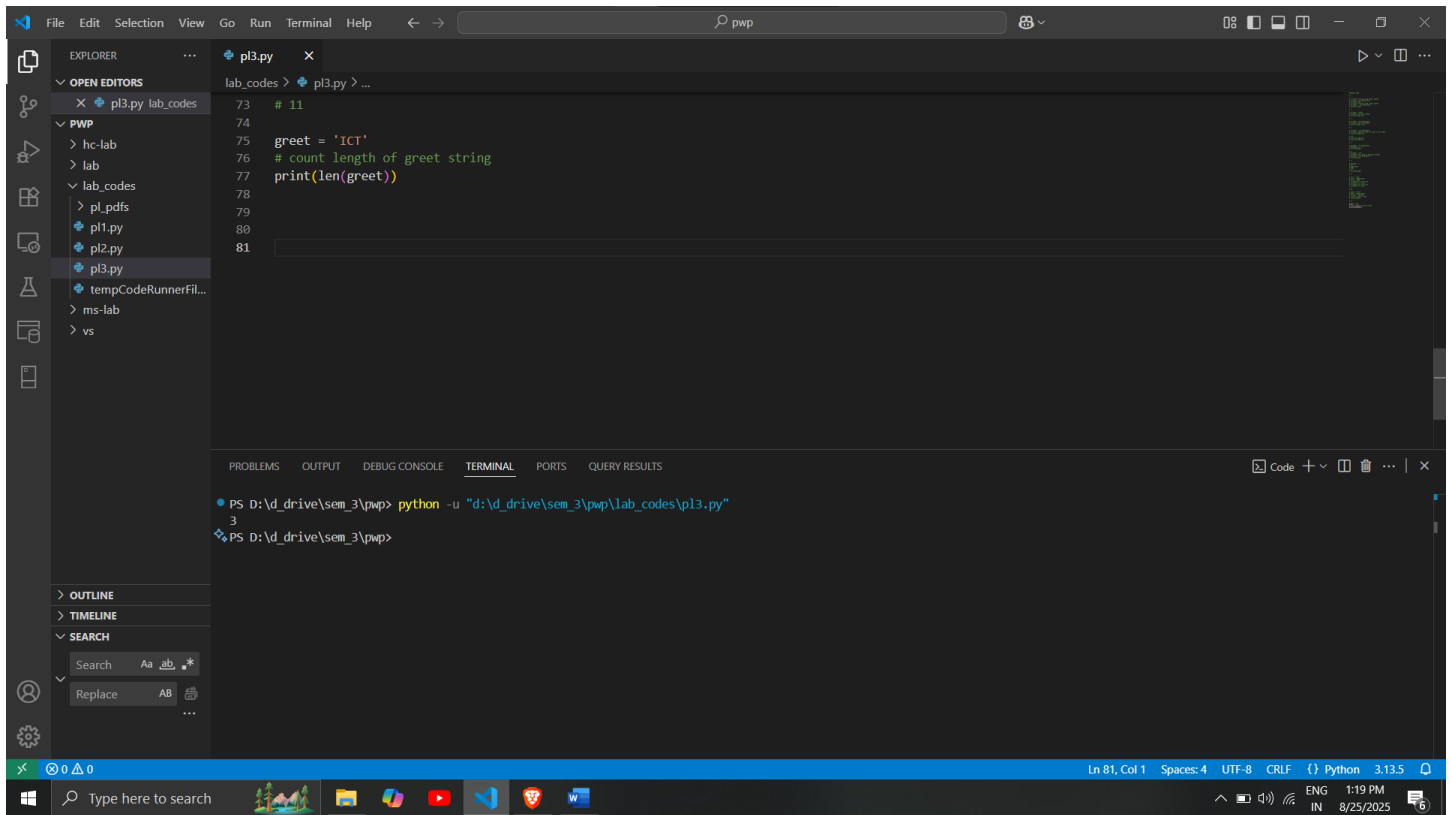
```
greet = 'ICT'
```

```
# count length of greet string
```

```
print(len(greet))
```

Output:

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The screenshot shows a Visual Studio Code editor with a file explorer on the left. The file explorer shows a project structure with folders like 'lab_codes' and 'pl3.py'. The main editor window displays the following Python code:

```

73 # 11
74
75 greet = 'ICT'
76 # count length of greet string
77 print(len(greet))
78
79
80
81

```

Below the code editor, the terminal window shows the command to run the script:

```

PS D:\drive\sem_3\pwp> python -u "d:\drive\sem_3\pwp\lab_codes\pl3.py"
3
PS D:\drive\sem_3\pwp>

```

The status bar at the bottom indicates the file is 'pl3.py' at line 81, column 1, using UTF-8 encoding and CRLF line endings.



String Membership Test

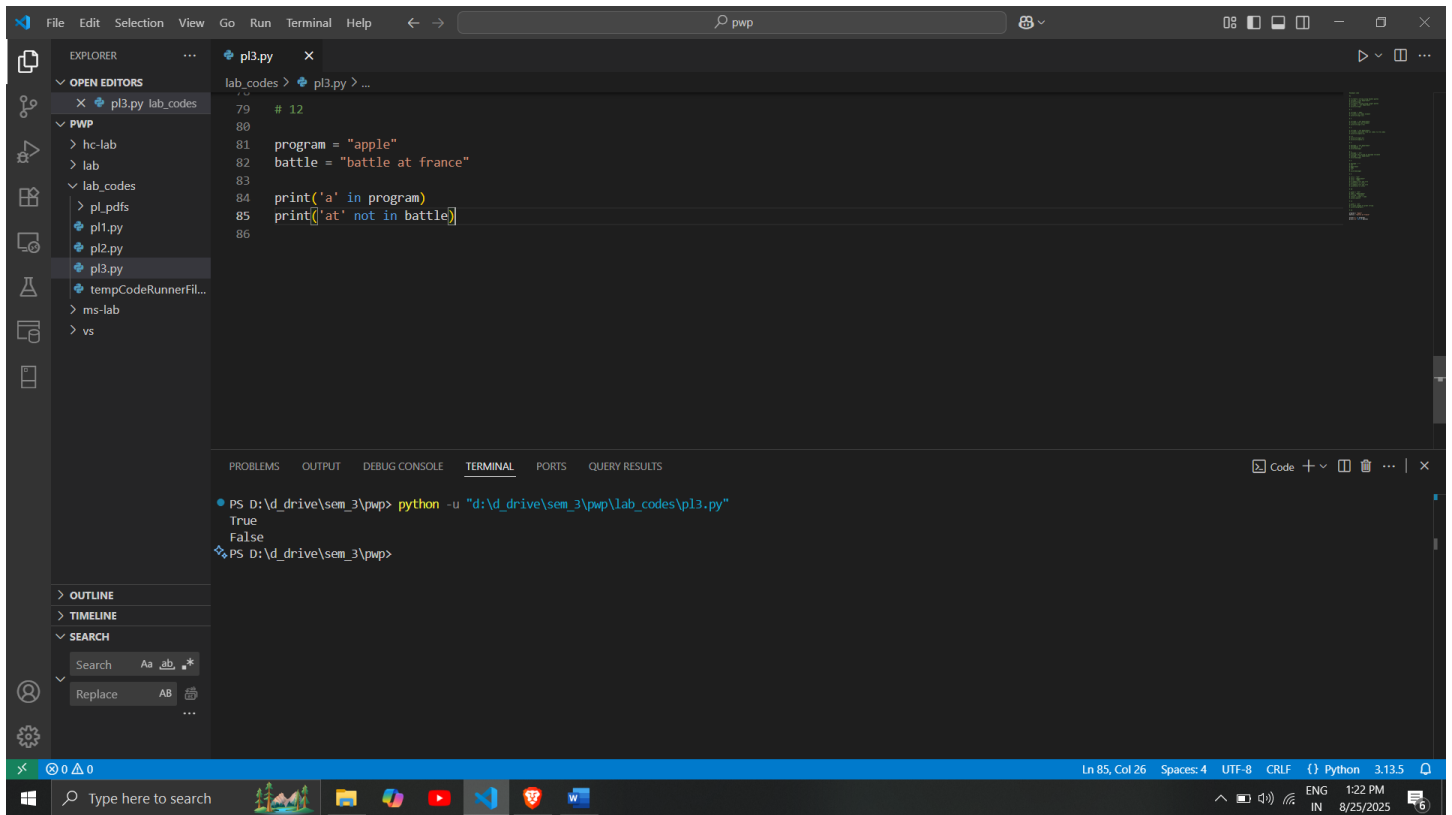
We can test if a substring exists within a string or not, using the keyword in.

```
print('a' in 'program')
```

```
print('at' not in 'battle')
```

Output

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```

79 # 12
80
81 program = "apple"
82 battle = "battle at france"
83
84 print('a' in program)
85 print('at' not in battle)
86

```

```

PS D:\drive\sem_3\pwp> python -u "d:\drive\sem_3\pwp\lab_codes\pl3.py"
True
False
PS D:\drive\sem_3\pwp>

```

Methods of Python String

Python String upper()



The upper() method converts all lowercase characters in a string into uppercase characters and returns it.

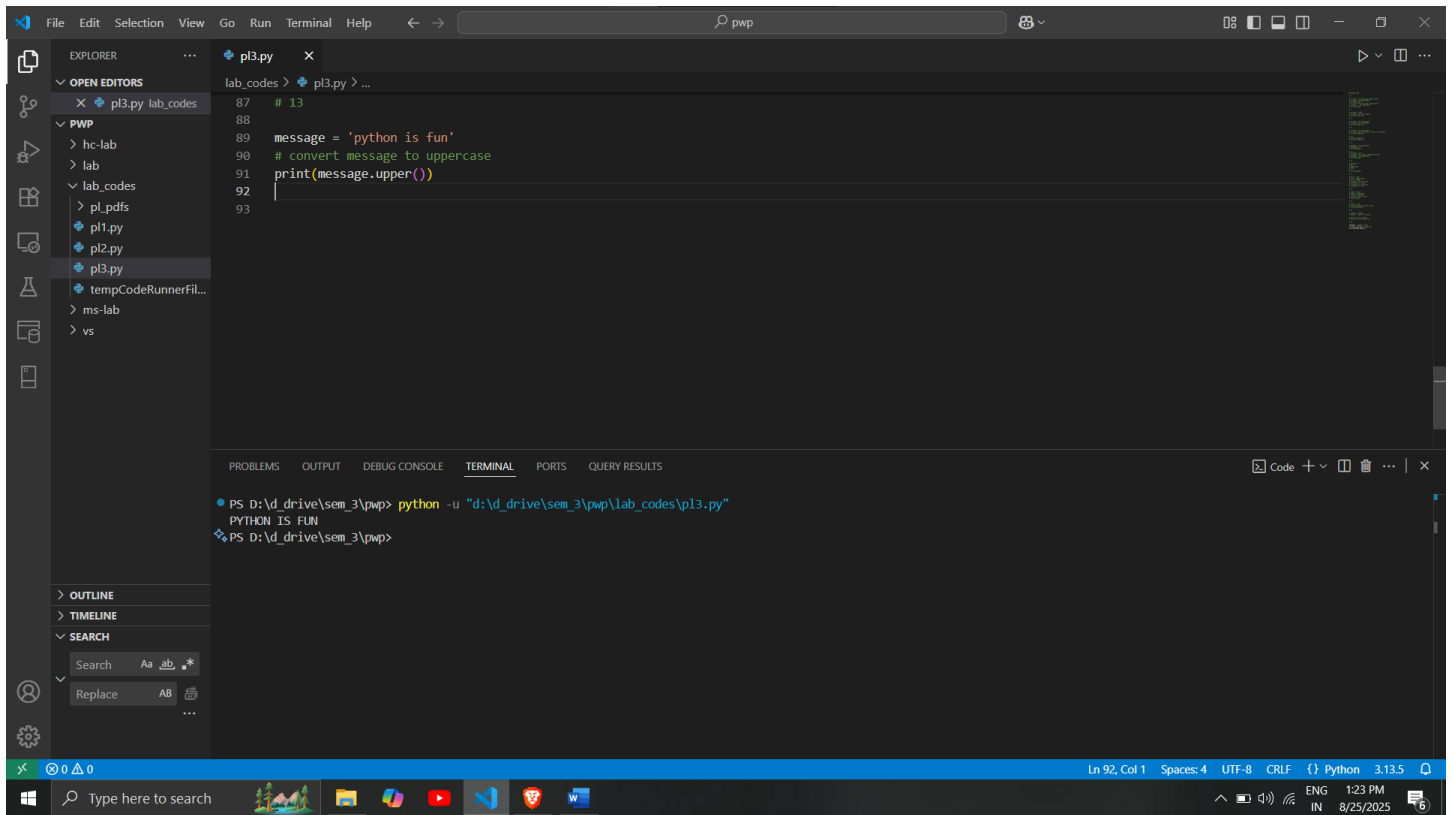
message = 'python is fun'

convert message to uppercase

print(message.upper())

Output:

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The screenshot shows the Visual Studio Code interface. The Explorer panel on the left displays the file structure with 'pl3.py' selected. The main editor window shows the following Python code:

```

87 # 13
88
89 message = 'python is fun'
90 # convert message to uppercase
91 print(message.upper())
92
93

```

The TERMINAL panel at the bottom shows the command prompt output:

```

PS D:\drive\sem_3\pwp> python -u "d:\drive\sem_3\pwp\lab_codes\pl3.py"
PYTHON IS FUN
PS D:\drive\sem_3\pwp>

```

The status bar at the bottom indicates the file is 'pl3.py', line 92, column 1, using UTF-8 encoding and CRLF line endings.

Python String lower()



The lower() method converts all uppercase characters in a string into lowercase characters and returns it.

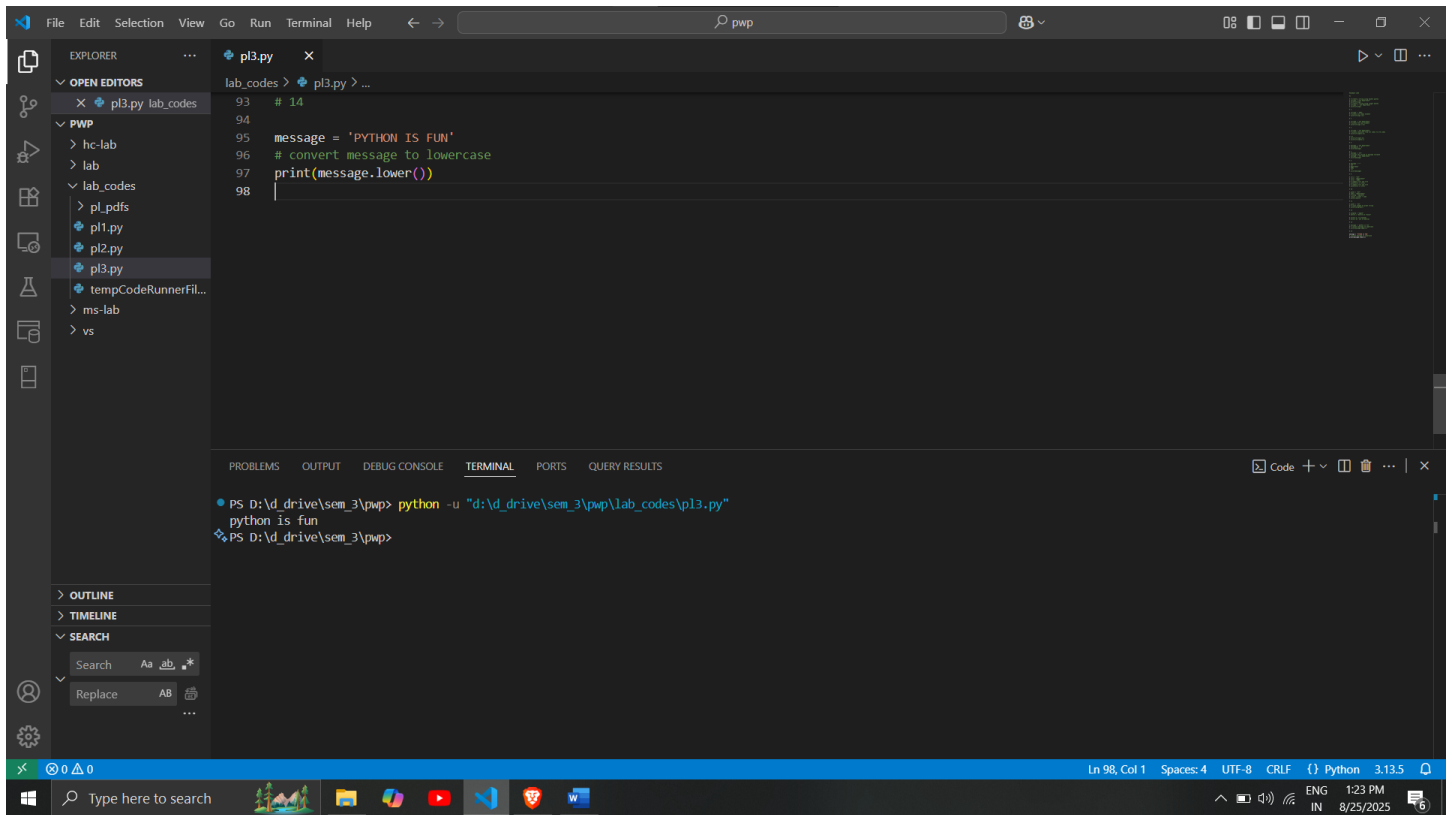
```

message = 'PYTHON IS FUN'
# convert message to lowercase
print(message.lower())

```

Output:

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The screenshot shows the Visual Studio Code interface. The Explorer panel on the left shows a file named `pl3.py` under the `lab_codes` folder. The main editor window displays the following Python code:

```

93 # 14
94
95 message = 'PYTHON IS FUN'
96 # convert message to lowercase
97 print(message.lower())
98

```

The TERMINAL panel at the bottom shows the command prompt output:

```

PS D:\drive\sem_3\pwp> python -u "d:\drive\sem_3\pwp\lab_codes\pl3.py"
python is fun
PS D:\drive\sem_3\pwp>

```

Python String replace()



The `replace()` method replaces each matching occurrence of a substring with another string.

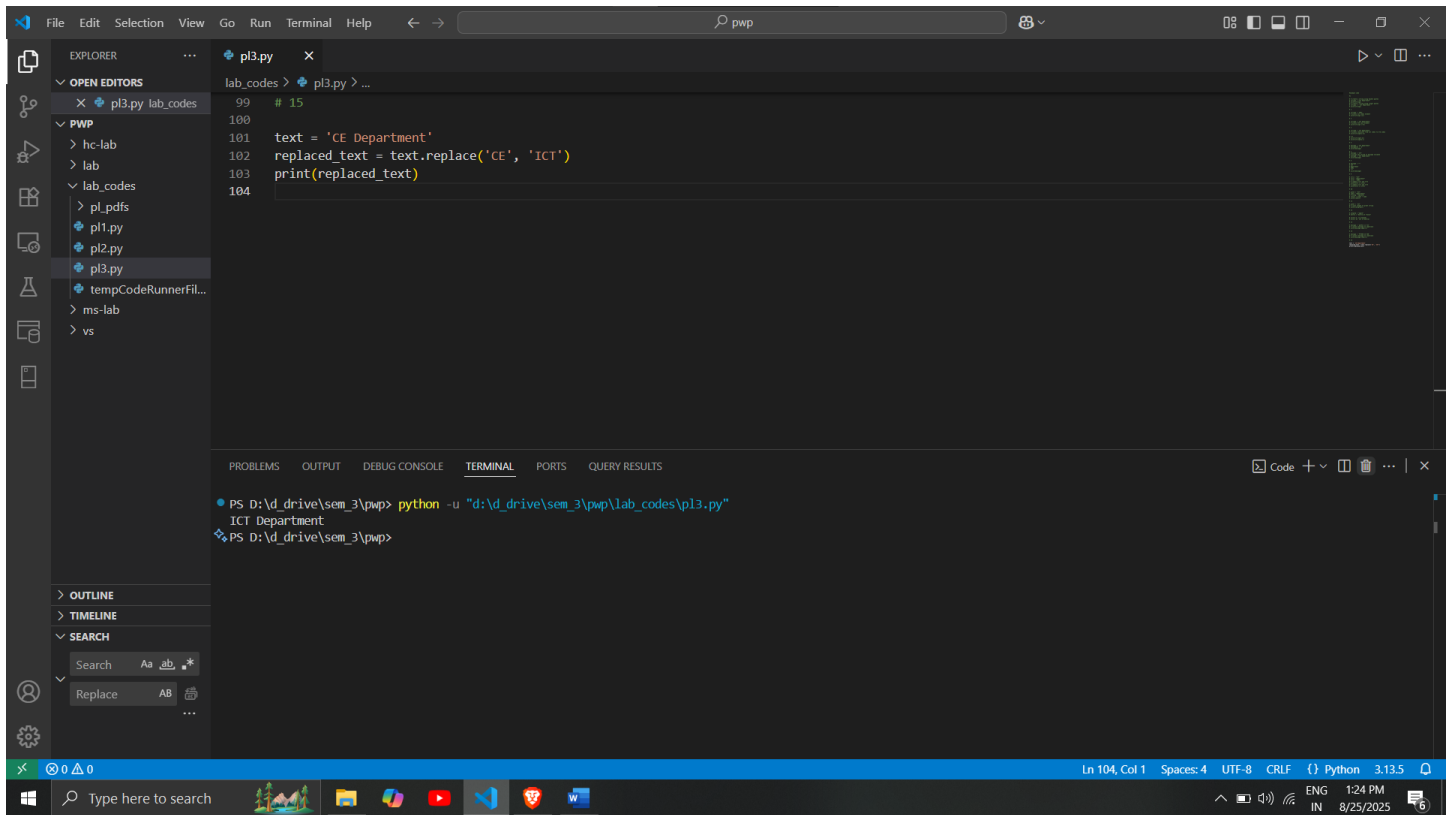
```

text = 'CE Department'
replaced_text = text.replace('CE', 'ICT')
print(replaced_text)

```

Output:

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The screenshot shows the Visual Studio Code interface. The Explorer panel on the left shows a file named `pl3.py` under the `lab_codes` folder. The main editor window displays the following Python code:

```

99 # 15
100
101 text = 'CE Department'
102 replaced_text = text.replace('CE', 'ICT')
103 print(replaced_text)
104

```

The TERMINAL panel at the bottom shows the command prompt output:

```

PS D:\drive\sem_3\pwp> python -u "d:\drive\sem_3\pwp\lab_codes\pl3.py"
ICT Department
PS D:\drive\sem_3\pwp>

```

Python String find()



The find() method returns the index of first occurrence of the substring (if found). If not found, it returns -1.

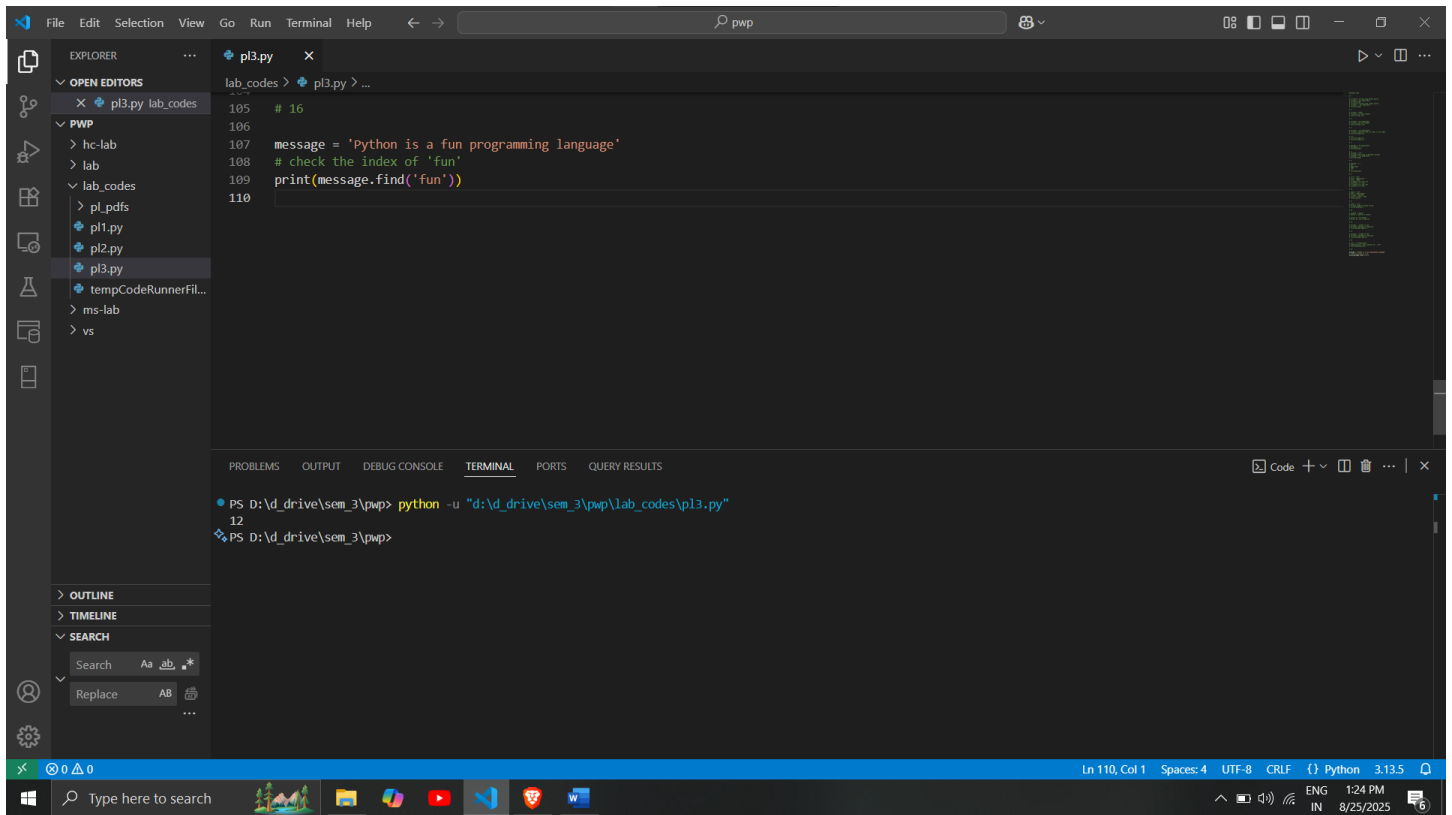
message = 'Python is a fun programming language'

check the index of 'fun'

print(message.find("fun"))

Output:

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The screenshot shows a Visual Studio Code editor window with a file explorer on the left. The file explorer shows a project structure with folders like 'lab_codes' and 'vs'. The main editor area shows a Python file named 'pl3.py' with the following code:

```

105 # 16
106
107 message = 'Python is a fun programming language'
108 # check the index of 'fun'
109 print(message.find('fun'))
110

```

Below the editor, the terminal window shows the command to run the script:

```

PS D:\drive\sem_3\pwp> python -u "d:\drive\sem_3\pwp\lab_codes\pl3.py"
12
PS D:\drive\sem_3\pwp>

```

The status bar at the bottom indicates the current line and column (Ln 110, Col 1), the encoding (UTF-8), the line ending (CRLF), the language (Python), and the version (3.13.5).

Python String rstrip()



The rstrip() method returns a copy of the string with trailing characters removed (based on the string argument passed).

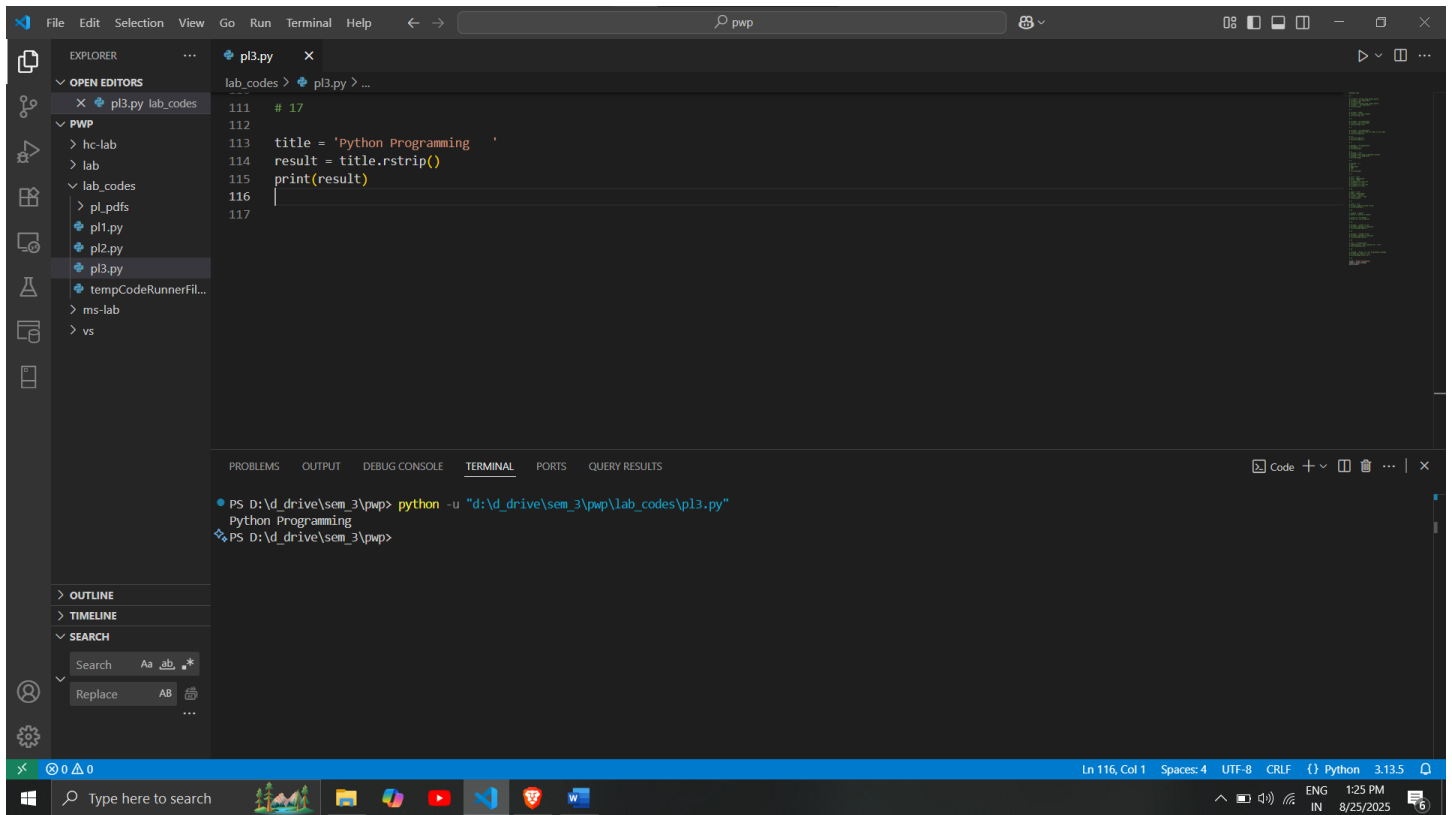
```
title = 'Python Programming '
```

```
result = title.rstrip()
```

```
print(result)
```

Output:

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The screenshot shows the Visual Studio Code interface. The Explorer panel on the left shows a file named `pl3.py` under the `lab_codes` folder. The main editor window displays the following Python code:

```

111 # 17
112
113 title = 'python Programming '
114 result = title.rstrip()
115 print(result)
116
117

```

The TERMINAL panel at the bottom shows the command prompt output:

```

PS D:\drive\sem_3\pwp> python -u "d:\drive\sem_3\pwp\lab_codes\pl3.py"
Python Programming
PS D:\drive\sem_3\pwp>

```

The status bar at the bottom indicates the cursor is at line 116, column 1, with 4 spaces, using UTF-8 encoding and CRLF line endings. The file is a Python script.

Python String split()



The `split()` method breaks down a string into a list of substrings using a chosen separator.

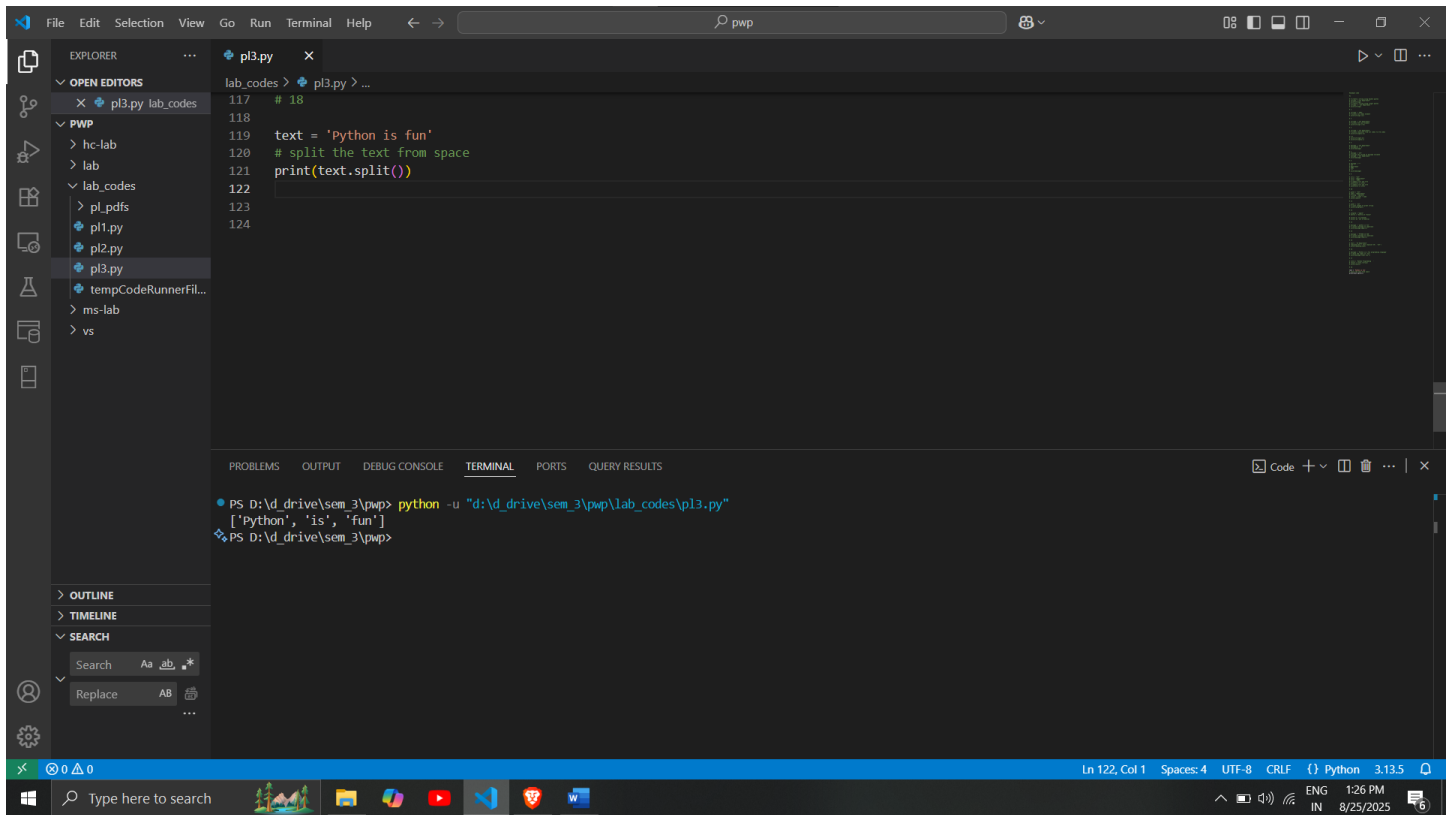
```
text = 'Python is fun'
```

```
# split the text from space
```

```
print(text.split())
```

Output

 Marwadi University Marwadi Chandarana Group 	Marwadi University Faculty of Engineering & Technology Department of Information and Communication Technology	
Subject: Programming With Python (01CT1309)	Aim: Write a program to create, concatenate and print a string and accessing substring from a given string.	
Experiment No: 03	Date:21-7-2025	Enrollment No:92400133108



The screenshot shows the Visual Studio Code interface. The Explorer panel on the left shows a project structure with folders like 'lab_codes' and 'pl3.py'. The main editor window displays the following Python code in 'pl3.py':

```

117 # 18
118
119 text = 'Python is fun'
120 # split the text from space
121 print(text.split())
122
123
124

```

The TERMINAL panel at the bottom shows the command prompt output:

```

PS D:\drive\sem_3\pwp> python -u "d:\drive\sem_3\pwp\lab_codes\pl3.py"
['Python', 'is', 'fun']
PS D:\drive\sem_3\pwp>

```

Python String startswith()



The startswith() method returns True if a string starts with the specified prefix(string). If not, it returns False.

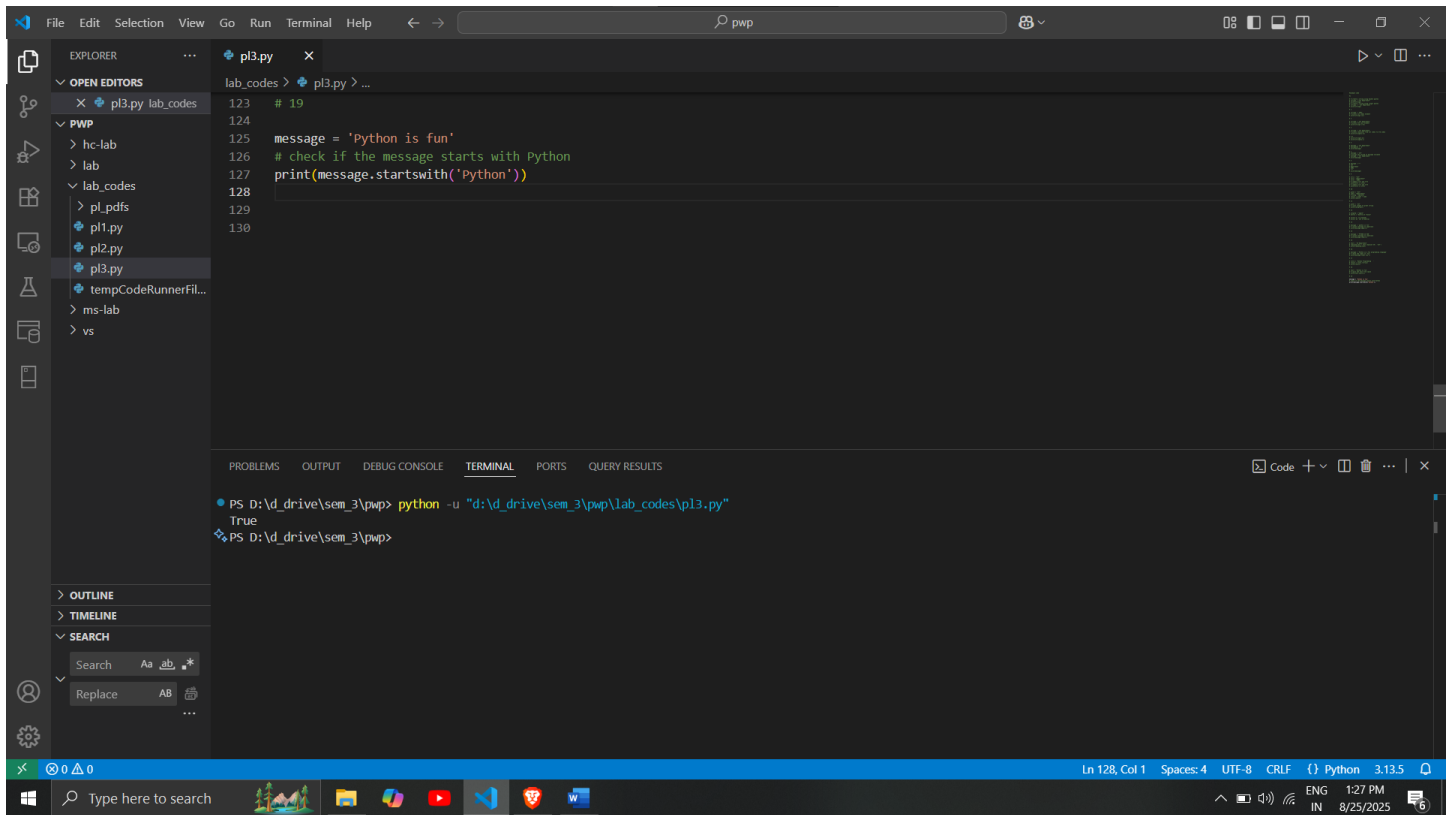
```

message = 'Python is fun'
# check if the message starts with Python
print(message.startswith('Python'))

```

Output:

 Marwadi University Marwadi Chandarana Group 	Marwadi University Faculty of Engineering & Technology Department of Information and Communication Technology	
Subject: Programming With Python (01CT1309)	Aim: Write a program to create, concatenate and print a string and accessing substring from a given string.	
Experiment No: 03	Date:21-7-2025	Enrollment No:92400133108



The screenshot shows a Visual Studio Code editor with a Python file named `pl3.py` open. The code in the editor is as follows:

```

123 # 19
124
125 message = 'Python is fun'
126 # check if the message starts with Python
127 print(message.startswith('Python'))
128
129
130

```

The terminal at the bottom shows the command `python -u "d:\d_drive\sem_3\pwp\lab_codes\pl3.py"` being executed, which outputs `True`.

Python String `isnumeric()`



The `isnumeric()` method checks if all the characters in the string are numeric.

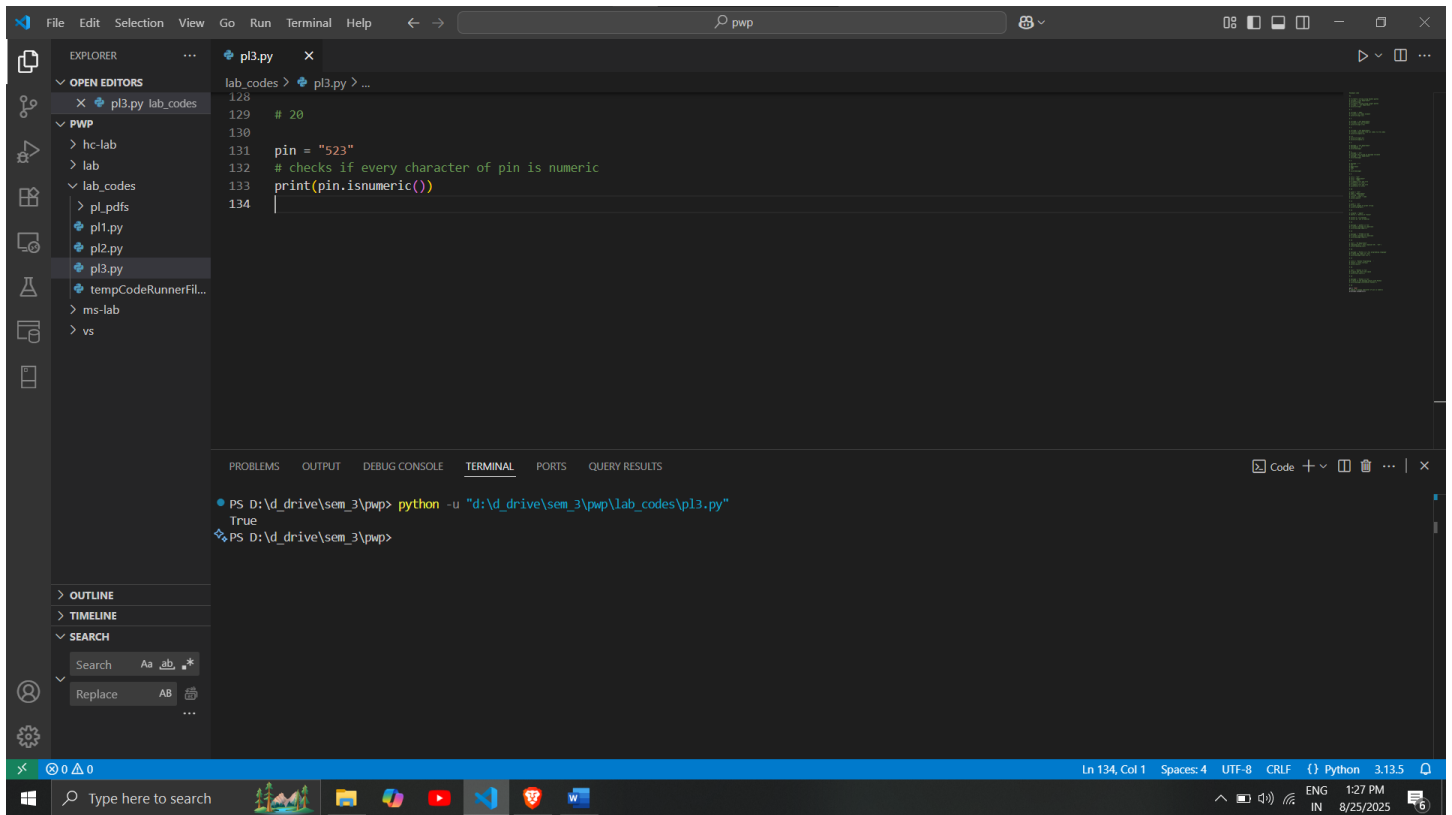
```

pin = "523"
# checks if every character of pin is numeric
print(pin.isnumeric())

```

Output:

 Marwadi University Marwadi Chandarana Group 	Marwadi University Faculty of Engineering & Technology Department of Information and Communication Technology	
Subject: Programming With Python (01CT1309)	Aim: Write a program to create, concatenate and print a string and accessing substring from a given string.	
Experiment No: 03	Date:21-7-2025	Enrollment No:92400133108



The screenshot shows the Visual Studio Code interface. The Explorer panel on the left shows a project structure with folders like 'lab_codes' and 'PWP'. The main editor window displays a Python file named 'pl3.py' with the following code:

```

128
129 # 20
130
131 pin = "523"
132 # checks if every character of pin is numeric
133 print(pin.isnumeric())
134

```

The TERMINAL panel at the bottom shows the command prompt output:

```

PS D:\drive\sem_3\pwp> python -u "d:\drive\sem_3\pwp\lab_codes\pl3.py"
True
PS D:\drive\sem_3\pwp>

```



Python String index()

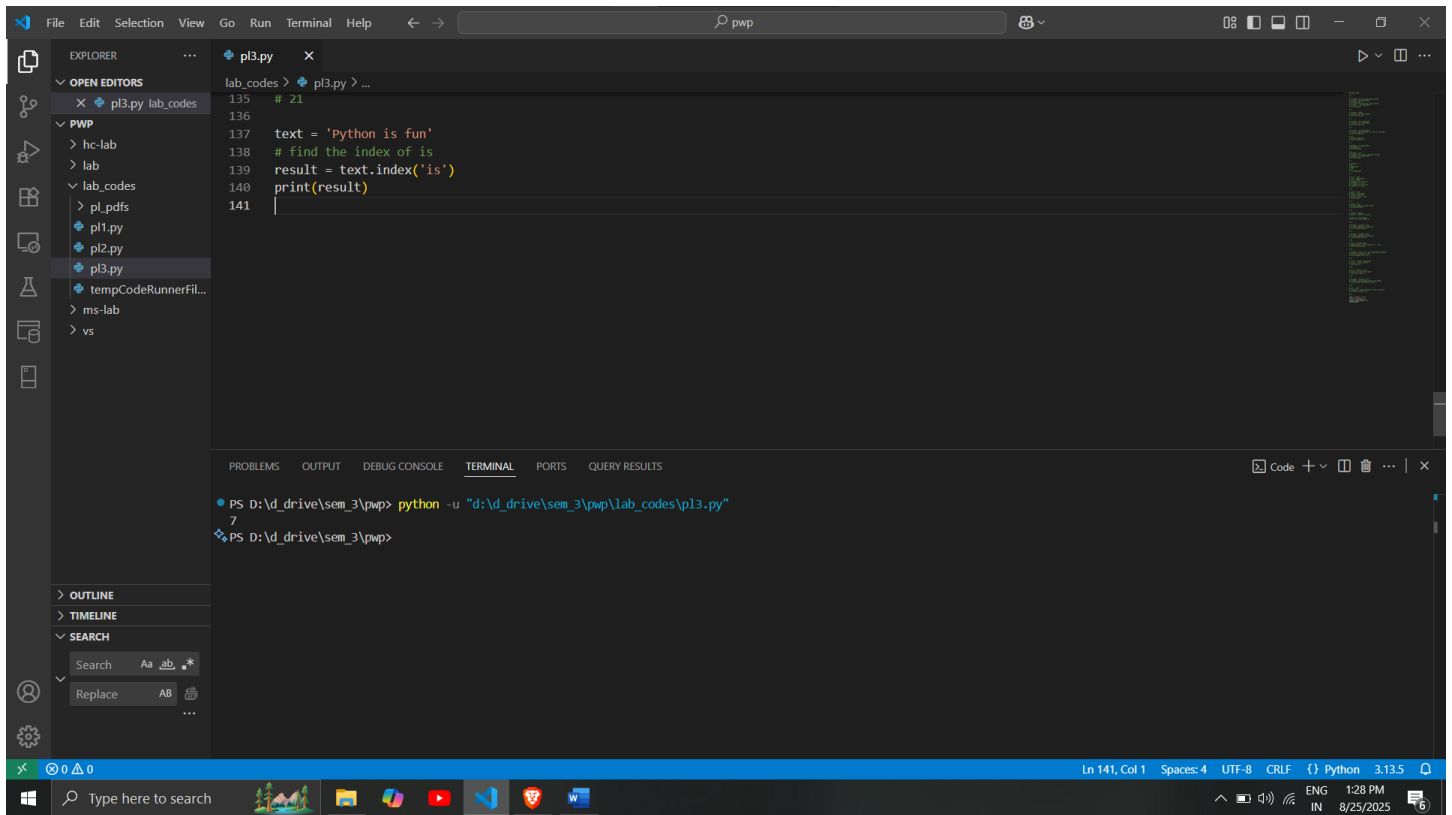
The index() method returns the index of a substring inside the string (if found). If the substring is not found, it raises an exception.

```

text = 'Python is fun'
# find the index of is
result = text.index('is')
print(result)
Output:

```

 Marwadi University Marwadi Chandarana Group 	Marwadi University Faculty of Engineering & Technology Department of Information and Communication Technology	
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Experiment No: 03	Date:21-7-2025	Enrollment No:92400133108



The screenshot shows the Visual Studio Code interface. The Explorer panel on the left shows a file named `pl3.py` under the `lab_codes` folder. The main editor window displays the following Python code:

```

135 # 21
136
137 text = 'Python is fun'
138 # find the index of is
139 result = text.index('is')
140 print(result)
141

```

The TERMINAL panel at the bottom shows the command prompt output:

```

PS D:\drive\sem_3\pwp> python -u "d:\drive\sem_3\pwp\lab_codes\pl3.py"
7
PS D:\drive\sem_3\pwp>

```

Python String Formatting (f-Strings)



Python f-Strings makes it easy to print values and variables. For example,

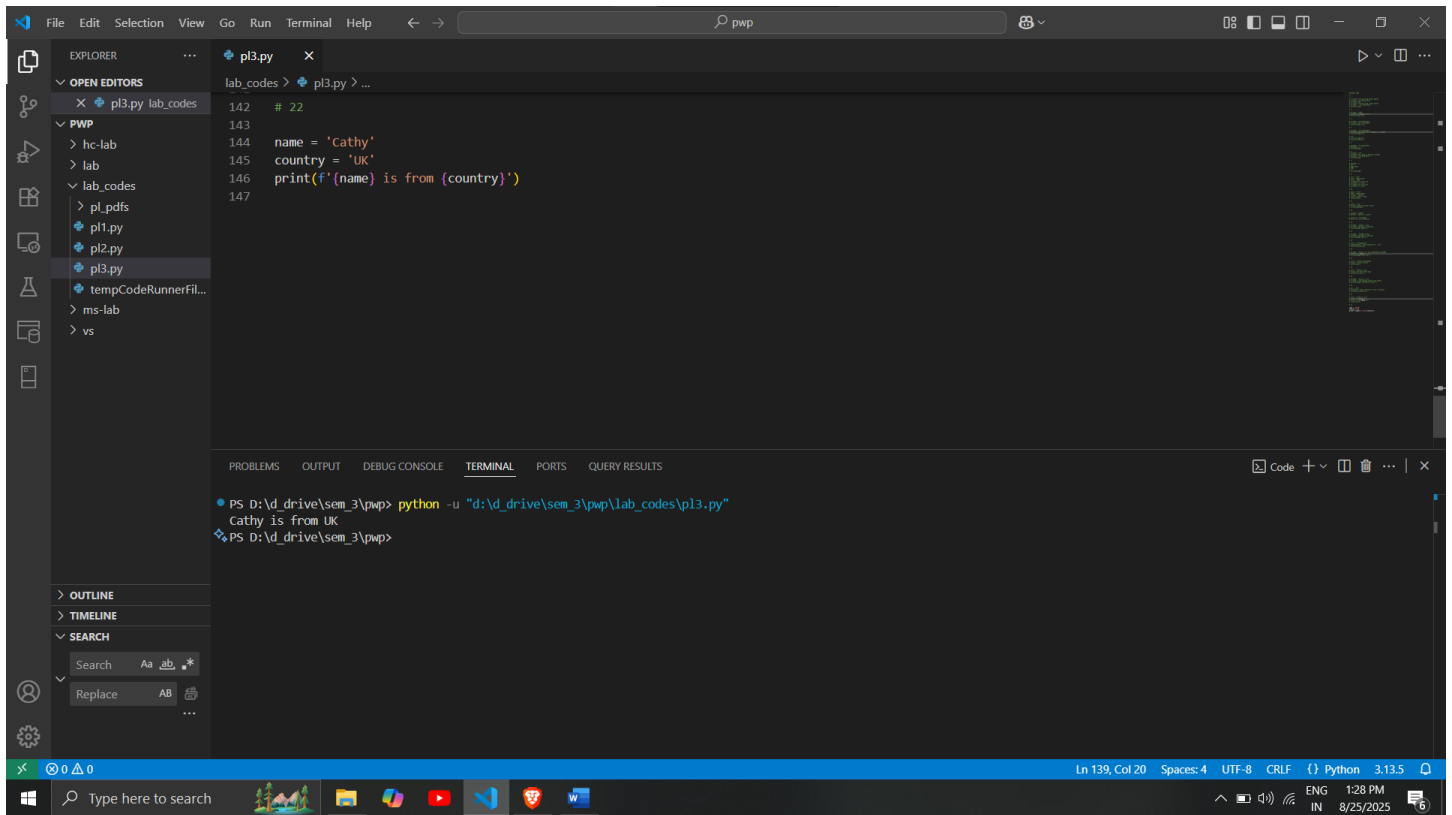
```

name = 'Cathy'
country = 'UK'
print(f'{name} is from {country}')

```

Output:

 Marwadi University Marwadi Chandarana Group 	Marwadi University Faculty of Engineering & Technology Department of Information and Communication Technology	
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Experiment No: 03	Date:21-7-2025	Enrollment No:92400133108



The screenshot shows a Visual Studio Code editor window with a Python file named `pl3.py` open. The code in the editor is as follows:

```

142 # 22
143
144 name = 'Cathy'
145 country = 'UK'
146 print(f'{name} is from {country}')
147

```

The terminal at the bottom shows the command `python -u "d:\d_drive\sem_3\pwp\lab_codes\pl3.py"` being executed, resulting in the output: `Cathy is from UK`.

Python Raw String

Python strings become raw strings when they are prefixed with `r` or `R`, such as `r'...'` and `R'...'`. Raw strings treat backslashes (`\`) as literal characters. Raw strings are useful for strings with a lot of backslashes, like regular expressions or directory paths.

```
str = "This is a \n normal string example"
```

```
print(str)
```

```
raw_str = r"This is a \n raw string example"
```

```
print(raw_str)
```

Output

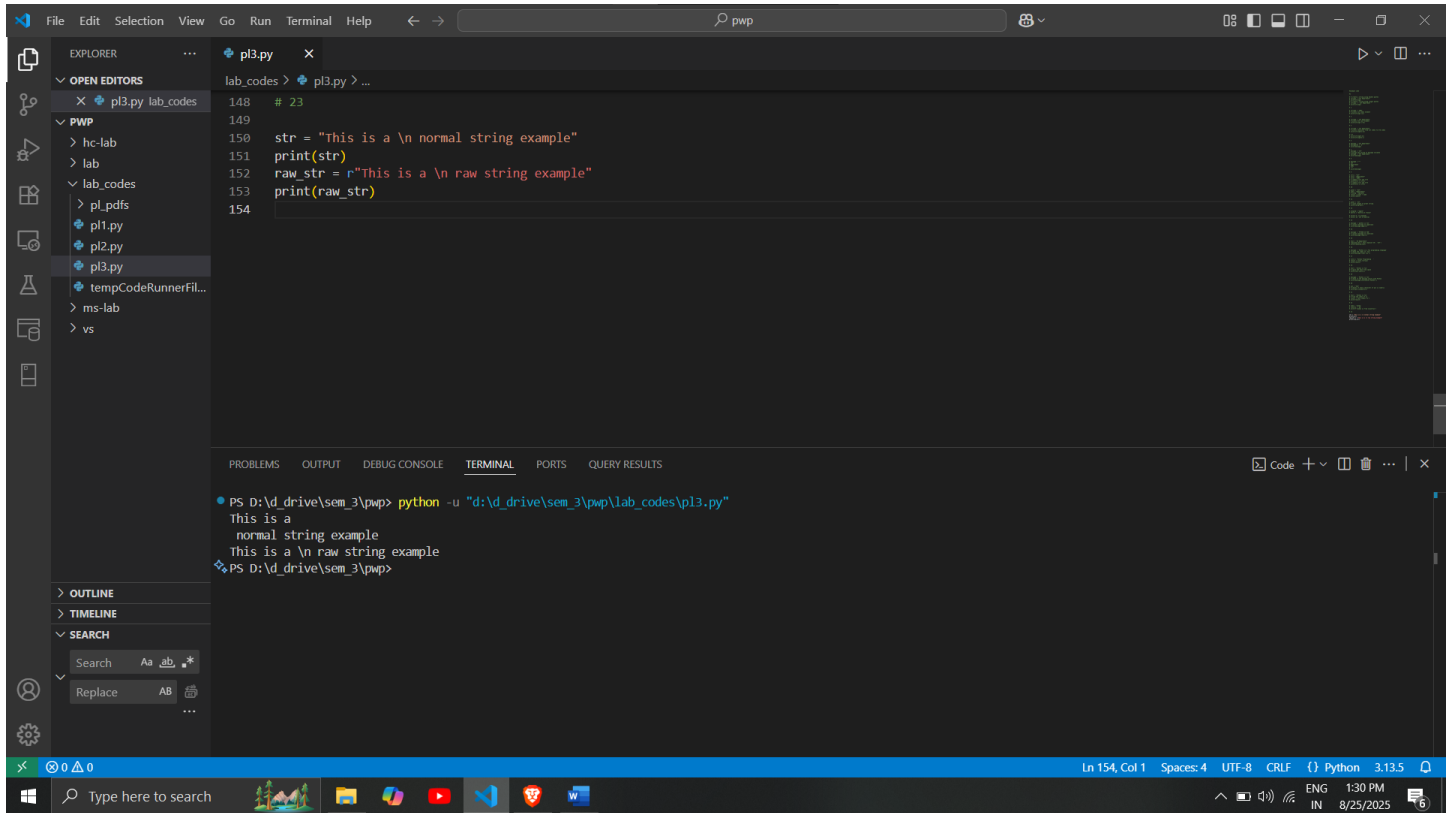
Subject: Programming With Python (01CT1309)

Aim: Write a program to create, concatenate and print a string and accessing substring from a given string.

Experiment No: 03



Date:21-7-2025

Enrollment No:92400133108



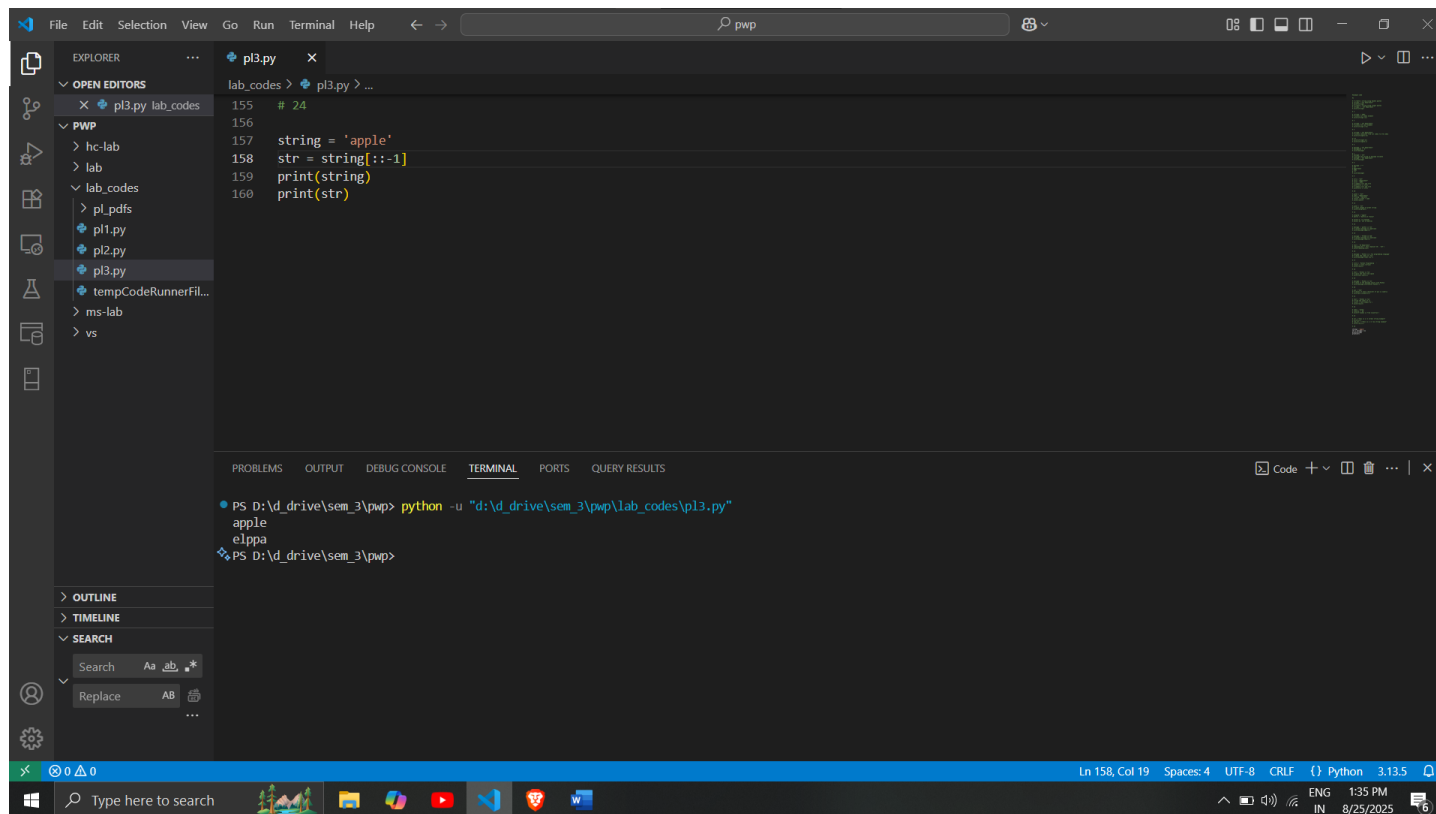
```
lab_codes > pl3.py > ...
148 # 23
149
150 str = "This is a \n normal string example"
151 print(str)
152 raw_str = r"This is a \n raw string example"
153 print(raw_str)
154
```

```
PS D:\drive\sem_3\pwp> python -u "d:\drive\sem_3\pwp\lab_codes\pl3.py"
This is a
normal string example
This is a \n raw string example
PS D:\drive\sem_3\pwp>
```


 Marwadi University Marwadi Chandarana Group 	Marwadi University Faculty of Engineering & Technology Department of Information and Communication Technology	
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Experiment No: 03	Date:21-7-2025	Enrollment No:92400133108

Post Lab Exercise:

- a. Write a Python program to reverse a string.



```



lab_codes > pl3.py > ...
155 # 24
156
157 string = 'apple'
158 str = string[::-1]
159 print(string)
160 print(str)
  
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS QUERY RESULTS

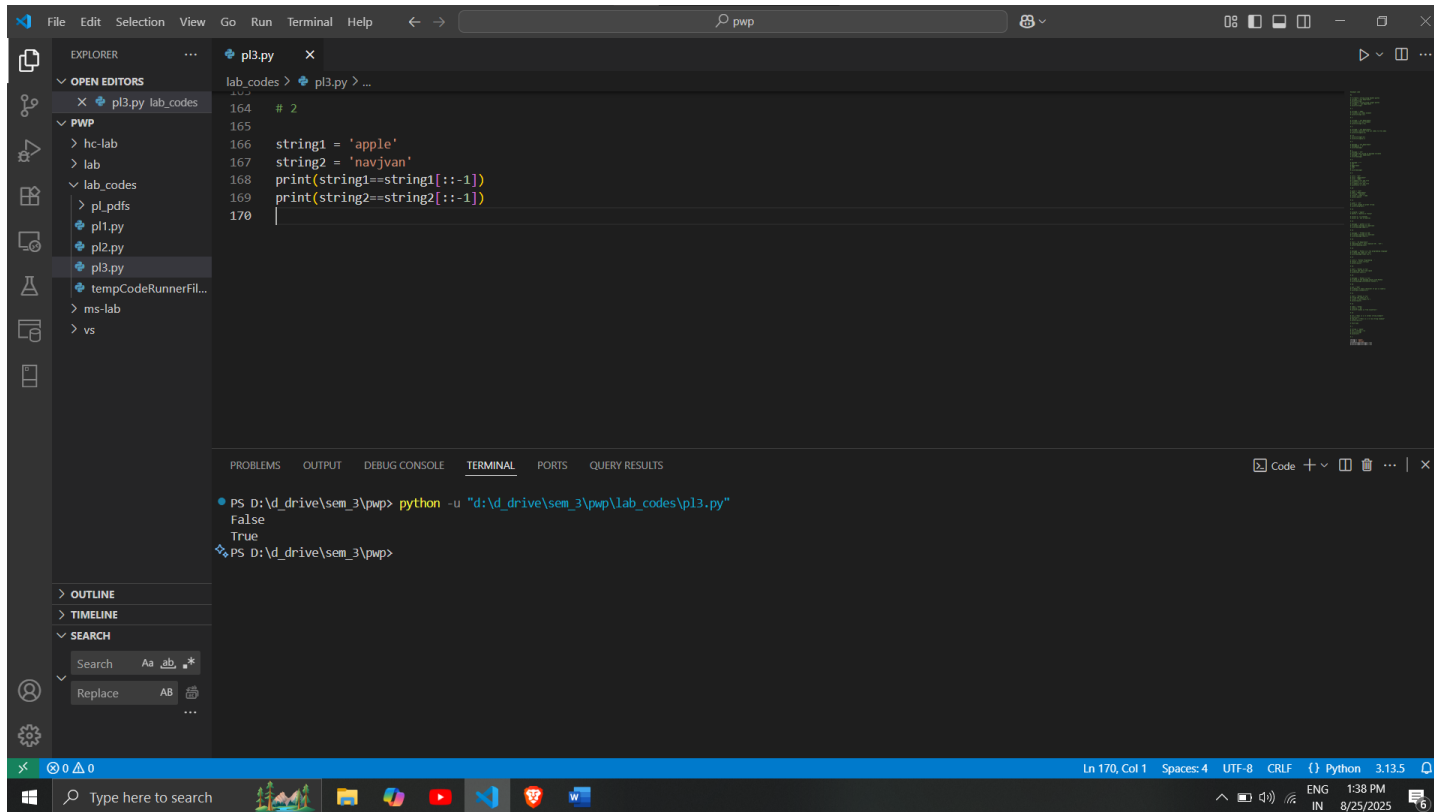
```

PS D:\d_drive\sem_3\pwp> python -u "d:\d_drive\sem_3\pwp\lab_codes\pl3.py"
apple
elppa
PS D:\d_drive\sem_3\pwp>
  
```

Ln 158, Col 19 Spaces: 4 UTF-8 CRLF Python 3.13.5

 Marwadi University Marwadi Chandarana Group 	Marwadi University Faculty of Engineering & Technology Department of Information and Communication Technology	
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Experiment No: 03	Date:21-7-2025	Enrollment No:92400133108

b. Write a Python program to check if a string is a palindrome.



```



lab_codes > pl3.py > ...
164 # 2
165
166 string1 = 'apple'
167 string2 = 'navjvan'
168 print(string1==string1[::-1])
169 print(string2==string2[::-1])
170

```

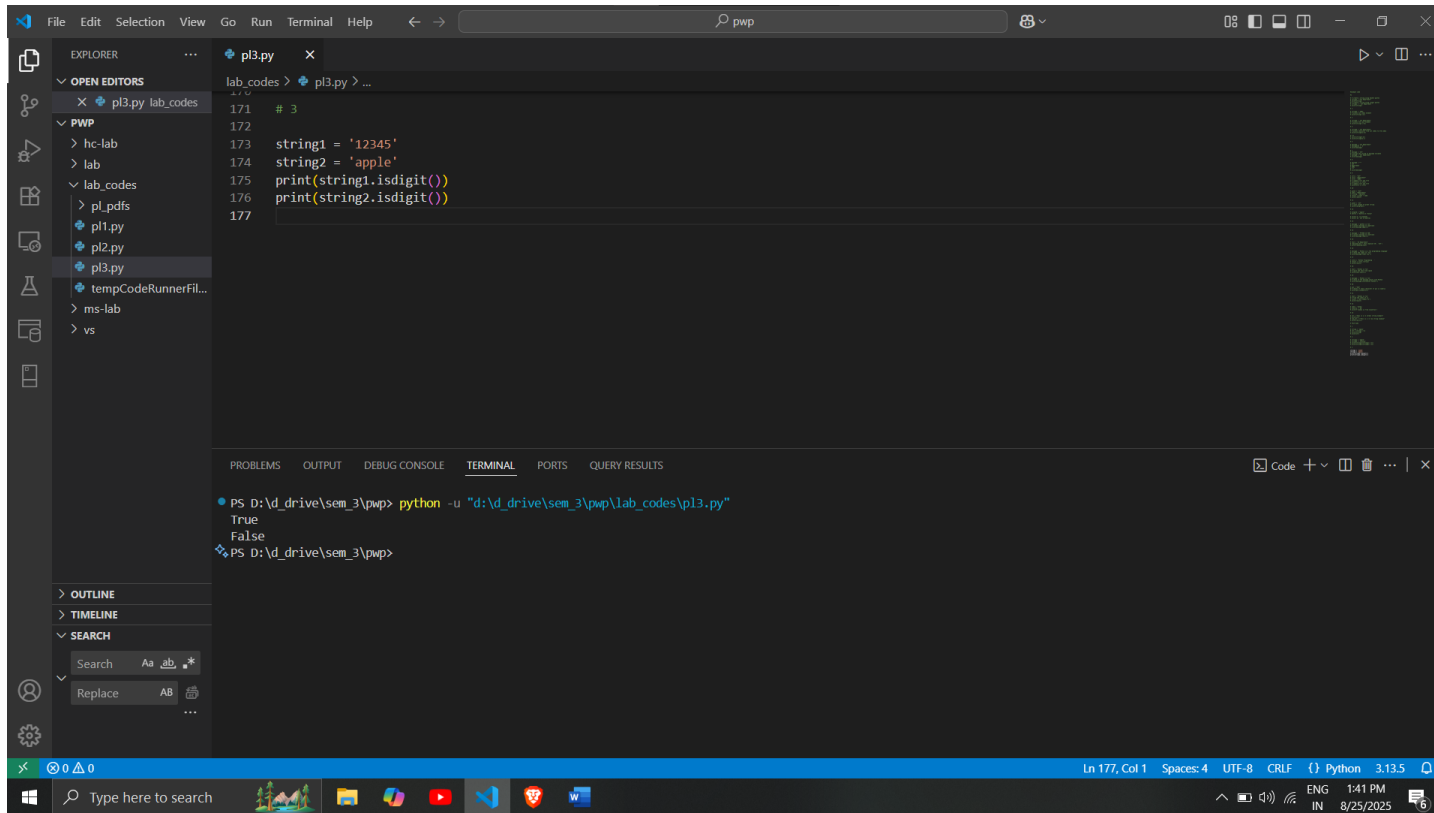
```

PS D:\drive\sem_3\pwp> python -u "d:\drive\sem_3\pwp\lab_codes\pl3.py"
False
True
PS D:\drive\sem_3\pwp>

```

 Marwadi University Marwadi Chandarana Group 	Marwadi University Faculty of Engineering & Technology Department of Information and Communication Technology	
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Experiment No: 03	Date:21-7-2025	Enrollment No:92400133108

c. Write a Python program to check if a string contains only digits.



```


lab_codes > pl3.py > ...
171 # 3
172
173 string1 = '12345'
174 string2 = 'apple'
175 print(string1.isdigit())
176 print(string2.isdigit())
177

```

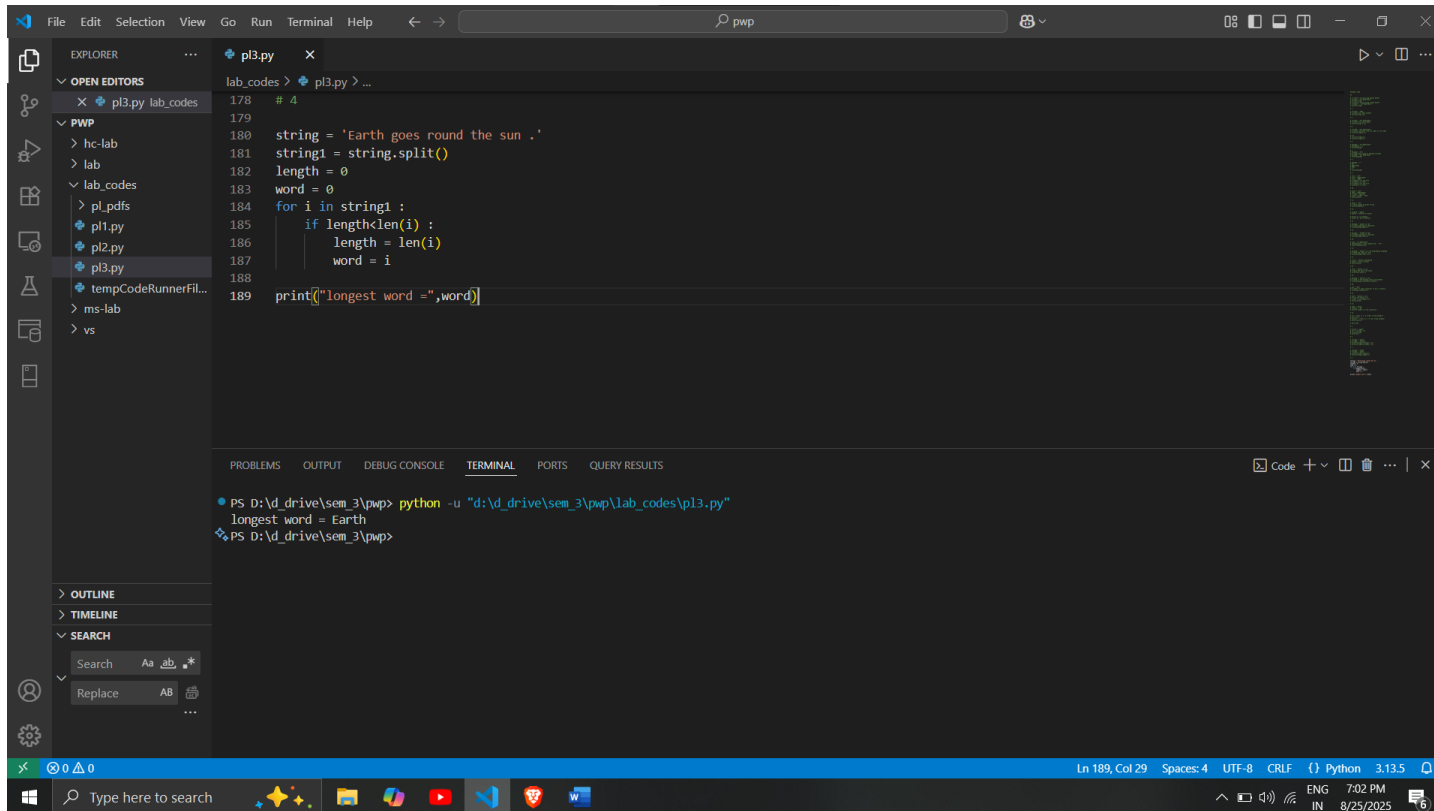
```

PS D:\drive\sem_3\pwp> python -u "d:\drive\sem_3\pwp\lab_codes\pl3.py"
True
False
PS D:\drive\sem_3\pwp>

```

 Marwadi University Marwadi Chandarana Group	Marwadi University Faculty of Engineering & Technology Department of Information and Communication Technology	
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Experiment No: 03	Date:21-7-2025	Enrollment No:92400133108

d. Write a Python program to find the longest word in a sentence.



```

lab_codes > pl3.py > ...
178 # 4
179
180 string = 'Earth goes round the sun .'
181 string1 = string.split()
182 length = 0
183 word = ''
184 for i in string1 :
185     if length < len(i) :
186         length = len(i)
187         word = i
188
189 print("longest word =",word)

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS QUERY RESULTS



```

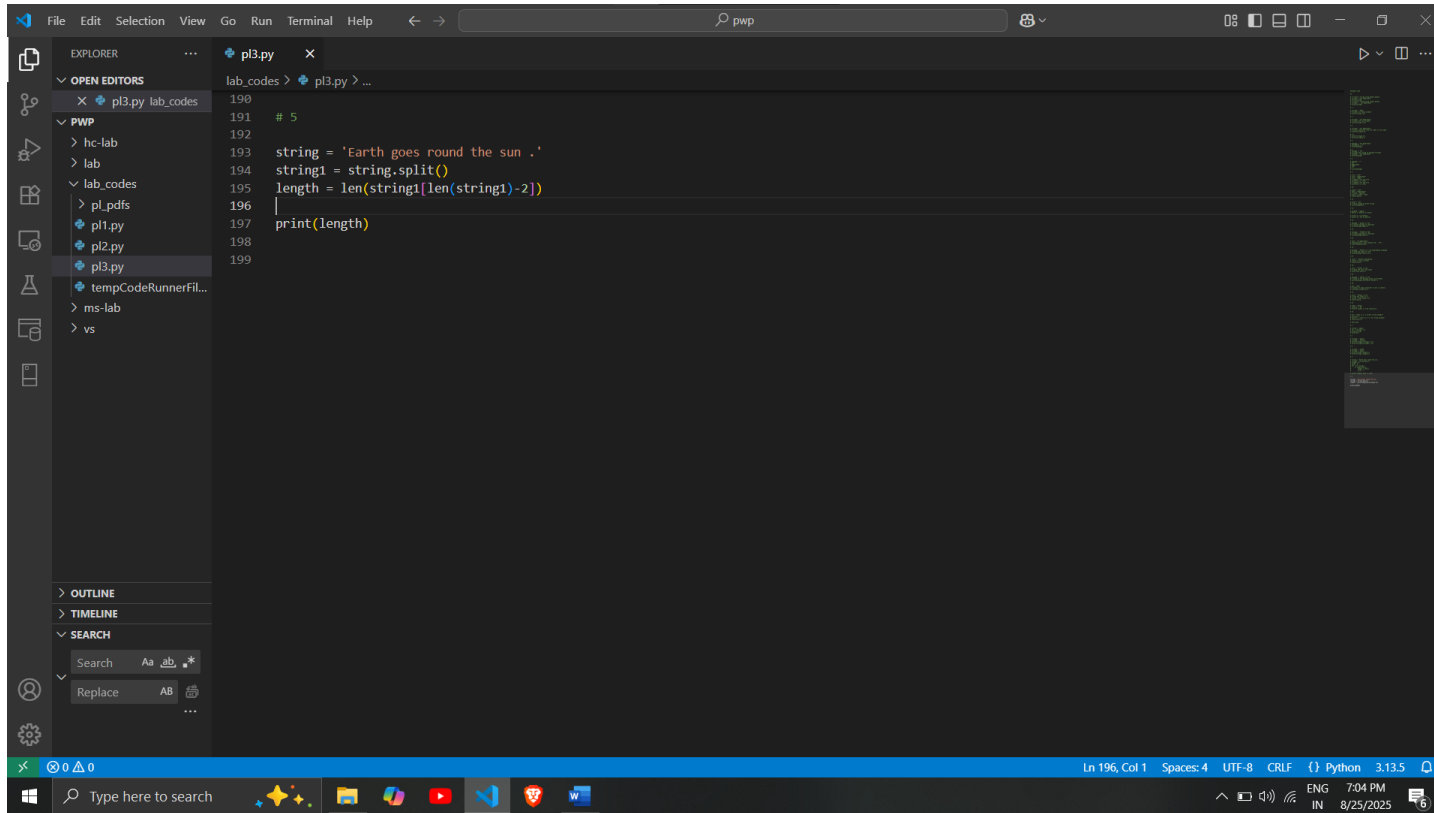
PS D:\drive\sem_3\pwp> python -u "d:\drive\sem_3\pwp\lab_codes\pl3.py"
longest word = Earth
PS D:\drive\sem_3\pwp>

```

Ln 189, Col 29 Spaces: 4 UTF-8 CRLF Python 3.13.5

e. Write a Python program to find the length of the last word in a sentence.

 Marwadi University Marwadi Chandarana Group 	Marwadi University Faculty of Engineering & Technology Department of Information and Communication Technology	
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Experiment No: 03	Date:21-7-2025	Enrollment No:92400133108



```

190
191 # 5
192
193 string = 'Earth goes round the sun .'
194 string1 = string.split()
195 length = len(string1[len(string1)-2])
196
197 print(length)
199

```