

DAILY ASSESSMENT FORMAT

Date:	23nd July 2020	Name:	Rajeshwari Gadagi
Course:	How to develop pythonic coding rather than python coding	USN:	4AL17EC076
Topic:	Pythonic coding	Semester & Section:	6th sem 'B' sec
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FORENOON SESSION DETAILS

Image of session

The screenshot shows a Google Meet window. At the top, a banner indicates "Badhusha Mohideen is presenting". Below this, a web browser displays a Google Colab interface for a file named "Pythonic Workshop Day 3 Session 2_Pyt...". A message at the top of the Colab page states: "Colab is experiencing issues connecting to Drive, and we are actively investigating." The Colab code editor shows the following Python code:

```
l_range=int(input("Enter the lower range:"))
u_range=int(input("Enter the upper range:"))
a=[(x,x**2) for x in range(l_range,u_range+1)]
print(a)
```

The output of the code is displayed below the editor:

```
Enter the lower range:1
Enter the upper range:5
[(1, 1), (2, 4), (3, 9), (4, 16), (5, 25)]
```

Below the output, a text box contains the statement: "The aforementioned program is already pythonic." The bottom of the screen shows the Google Meet interface with a notification "Akshatha YE has left the meeting" and a row of participant avatars.

Day 3 :-

Pythonic programs :-

→ $i = 25$

for x in range(2, $i//2 + 1$):

if $i \% x == 0$:

print("The number $\{i\}$ is not prime".format(i=i))
break

if $x == i//2$:

print("{i} is a prime number".format(i=i))

o/p :- The number 25 is not prime

→ $i = 25$

for x in range(2, $i//2 + 1$):

if $i \% x == 0$:

print("The number $\{i\}$ is not prime".format(i=i))

else:

print("{i} is a prime number".format(i=i))

o/p :- The number 25 is not prime

Packaging :-

```
a, b = 2, 'my-string'  
print(a)  
print(b).
```

Bad unpacking :-

```
x = (1, 2, 4, 8, 16).  
a = x[0]  
b = x[1]  
c = x[2]  
d = x[3]  
e = x[4]  
print(a, b, c, d, e).
```

Using chaining to write console code :-

→ `x = 4`

`print(x >= 2 and x <= 8)`

→ `print(2 <= x <= 8)`

`print(2 <= x <= 9)`

Checking against None :-

`x, y = 2, None`

`print(x == None)`

`print(y == None)`

`print(x != None)`

`print(y != None)`

Iterating over sequences :-

`x = [1, 2, 4, 8, 16]`

`for i in range(len(x)):`
`print(x[i])`

