

DAILY ASSESSMENT FORMAT

Date:	23 rd July 2020	Name:	Poorvi j gowda
Course:	How to develop pythonic coding rather than python coding	USN:	4AL17EC071
Topic:	Pythonic coding	Semester & Section:	6 th sem 'B' sec
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FORENOON SESSION DETAILS

Image of session

The screenshot shows a Google Meet interface. At the top, a browser tab is open for 'Meet - Day 3 Online worksh...'. The address bar shows 'meet.google.com/hyp-vdnt-izd'. The main window displays a presentation by 'Badhusha Mohideen'. The presentation content includes a Colab notebook titled 'Pythonic Workshop Day 3 Session 2 _Pyt...'. The notebook code is as follows:

```
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 shown below the code cell:

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

Below the code, a text box states: 'The aforementioned program is already pythonic.' The bottom of the screen shows the Google Meet controls, including a 'Send a message to everyone' button and a 'Turn on captions' button. The bottom status bar shows the Windows taskbar with various application icons.

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])`

