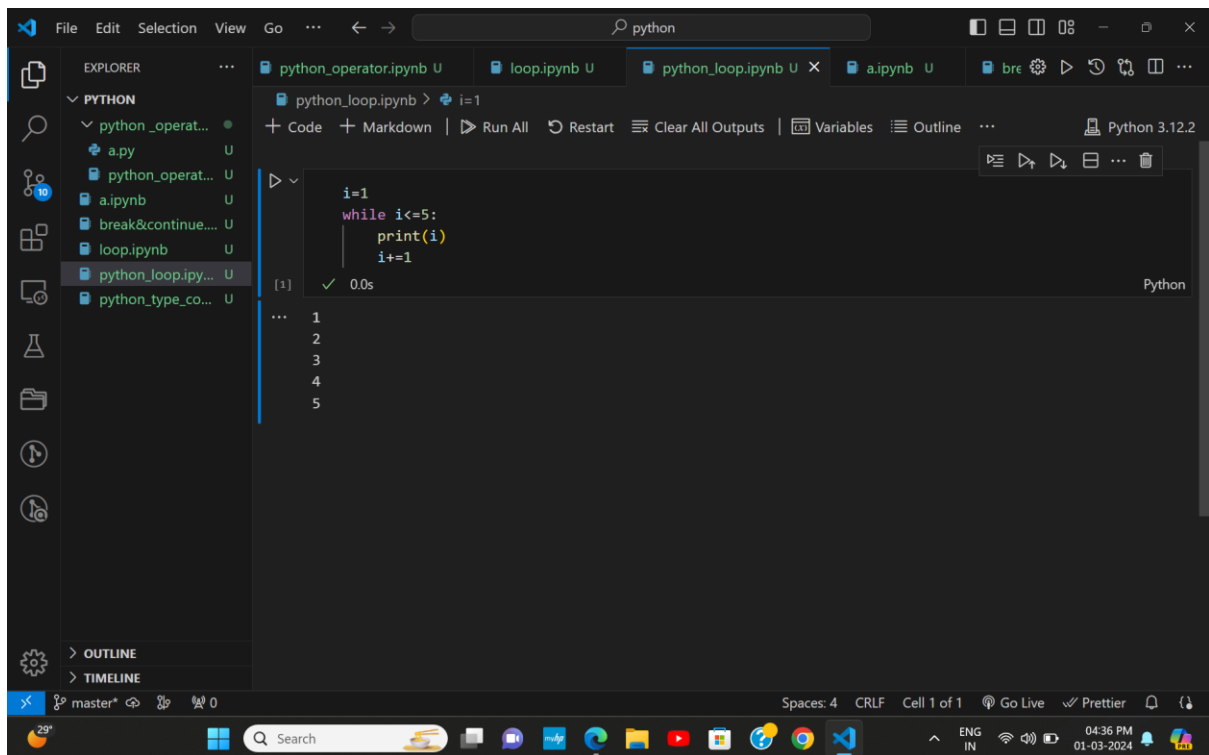


1



The screenshot shows a Jupyter Notebook interface in VS Code. The Explorer panel on the left shows a file named `python_loop.ipynb` selected. The main editor area displays the following Python code:

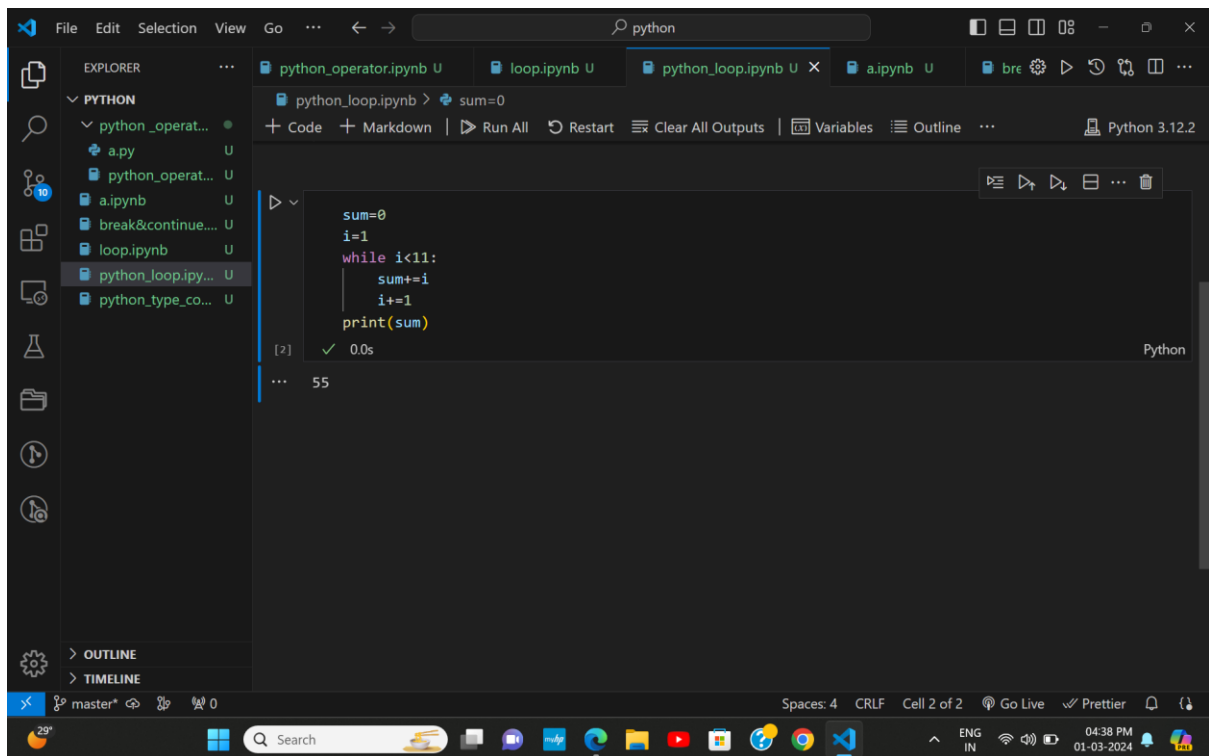
```
i=1
while i<=5:
    print(i)
    i+=1
```

The code has been executed, and the output is displayed below the code cell:

```
[1] ✓ 0.0s
... 1
    2
    3
    4
    5
```

The status bar at the bottom indicates the file is named `python` and the Python version is 3.12.2.

2



The screenshot shows a Jupyter Notebook interface in VS Code. The Explorer panel on the left shows a file named `python_loop.ipynb` selected. The main editor area displays the following Python code:

```
sum=0
i=1
while i<11:
    sum+=i
    i+=1
print(sum)
```

The code has been executed, and the output is displayed below the code cell:

```
[2] ✓ 0.0s
... 55
```

The status bar at the bottom indicates the file is named `python` and the Python version is 3.12.2.

3

This screenshot shows the Visual Studio Code editor with a Python file named `python_loop.ipynb` open. The code defines a variable `n=5` and calculates the factorial of `n` using a `for` loop. The output of the code is `120`.

```
n=5
factorial=1
for i in range(1,n+1,1):
    factorial*=i
print(factorial)
```

Output: `120`

4

This screenshot shows the Visual Studio Code editor with a Python file named `python_loop.ipynb` open. The code defines a string `s="suraj hudda"` and counts the number of vowels in the string using a `for` loop. The output of the code is `4`.

```
s="suraj hudda"
count=0
for i in s:
    if(i=='a' or i=='e' or i=='i' or i=='o' or i=='u'
       or i=='A' or i=='E' or i=='I' or i=='O' or i=='U'):count+=1
print(count)
```

Output: `4`

5

The screenshot shows a Jupyter Notebook in VS Code with the following code in a cell:

```
row=1
while row<=4:
    col=1
    while col<=row:
        print("*",end="")
        col+=1
    print()
    row+=1
```

The output of the cell is:

```
...
*
**
***
****
```

The interface includes a sidebar with a file explorer, a top menu bar, and a bottom status bar showing the current file is 'python_loop.ipynb' and the Python version is 3.12.2.

6

The screenshot shows a Jupyter Notebook in VS Code with the following code in a cell:

```
for i in range(2, 3):
    print(f"Multiplication table for {i}:")
    for j in range(1, 11):
        result = i * j
        print(f"{i} * {j} = {result}")
    print()
```

The output of the cell is:

```
...
Multiplication table for 2:
2 * 1 = 2
2 * 2 = 4
2 * 3 = 6
2 * 4 = 8
2 * 5 = 10
2 * 6 = 12
2 * 7 = 14
2 * 8 = 16
2 * 9 = 18
2 * 10 = 20
```

The interface includes a sidebar with a file explorer, a top menu bar, and a bottom status bar showing the current file is 'python_loop.ipynb' and the Python version is 3.12.2.