Lab Assignment 12
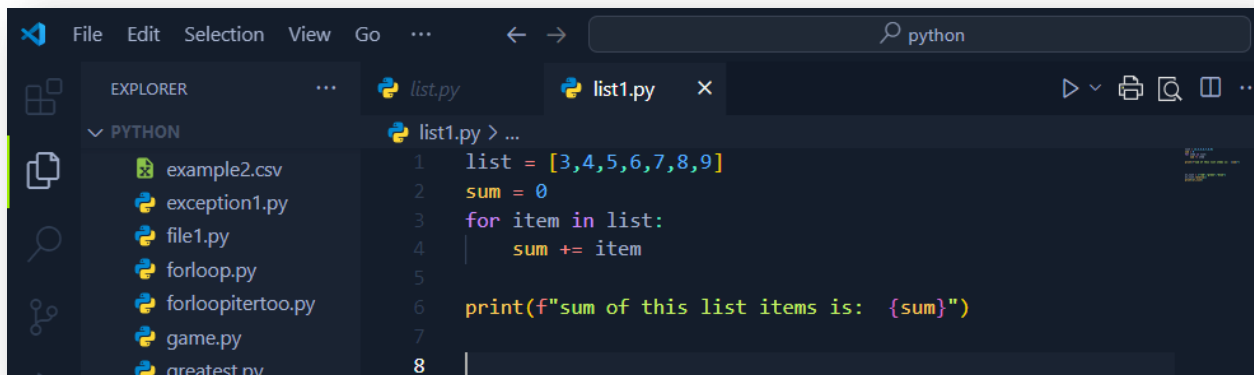
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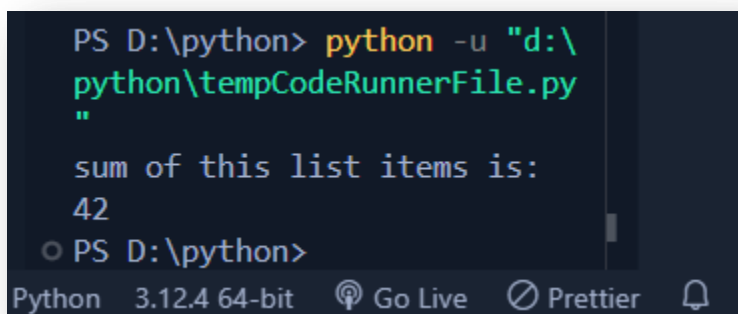Topic: List

1. Write a Python program to sum all the items in a list.

Ans:


```python
list = [3,4,5,6,7,8,9]
sum = 0
for item in list:
    sum += item

print(f"sum of this list items is:  {sum}")
```

Output:


```
PS D:\python> python -u "d:\
python\tempCodeRunnerFile.py
"
sum of this list items is:
42
PS D:\python>
```

2. Write a Python program to traverse a given list in reverse order, and print the elements with the original index.

Original list: ['red', 'green', 'white', 'black'] Traverse the said list in reverse order: black white green red.
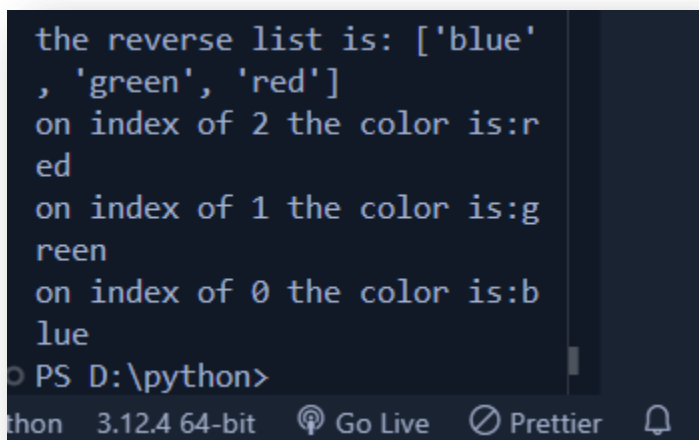
Ans:

```python
or_list = ["red","green","blue"]
or_list.reverse()
print(f"the reverse list is: {or_list}")
for ind,i in reversed(list(enumerate(or_list))):
    print(f"on index of {ind} the color is:{i}")
```

output:

```
the reverse list is: ['blue'
, 'green', 'red']
on index of 2 the color is:r
ed
on index of 1 the color is:g
reen
on index of 0 the color is:b
lue
PS D:\python>
```