Solution Review: Sum Elements of a List
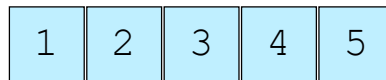
This lesson will explain how to calculate the sum elements of an array using a `for` loop.

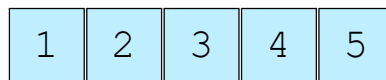> **WE'LL COVER THE FOLLOWING** ^
>
> - Solution: Use `for` Loop

Solution: Use `for` Loop

Use the `for` loop to iterate over the list while adding the value stored at each index and storing the value in the variable sum. The following illustration explains how to calculate the sum of variables in a list using a `for` loop.

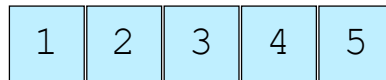| 1	2	3	4	5

sum=0

1	2	3	4	5

x=1
sum=sum+x
=>sum=1

| 1 | 2 | 3 | 4 | 5 |

x=2
sum=sum+x
=>sum=3

| 1 | 2 | 3 | 4 | 5 |

x=3
sum=sum+x
=>sum=6

| 1 | 2 | 3 | 4 | 5 |

x=4
sum=sum+x
=>sum=10

| 1 | 2 | 3 | 4 | 5 |

x=5
sum=sum+x
=>sum=15
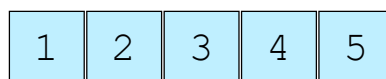
The following python code helps solve the problem.

```python
def sumList(l):
    sum = 0
    for x in l:
        sum += x
    return sum
l = [1, 2, 3, 4, 5]
print(sumList(l))
```

Let's move on to the next problem.