

*# 1. Sum all the items in a list*

```
my_list = [1, 2, 3, 4, 5]
total = 0
for item in my_list:
    total += item
print("Sum of list items:", total)
```

Sum of list items: 15

*# 2. Get the largest and smallest number from a list without builtin functions*

```
numbers = [5, 1, 8, 3, 2]
```

```
largest = numbers[0]
smallest = numbers[0]
```

```
for num in numbers:
    if num > largest:
        largest = num
    if num < smallest:
        smallest = num
```

```
print("Largest number:", largest)
print("Smallest number:", smallest)
```

Largest number: 8  
Smallest number: 1

*# 3. Find duplicate values from a list and display those*

```
nums = [1, 2, 3, 4, 2, 3, 5, 1]
duplicates = []
```

```
for i in nums:
    if nums.count(i) > 1 and i not in duplicates:
        duplicates.append(i)
```

```
print("Duplicate values:", duplicates)
```

Duplicate values: [1, 2, 3]

*# 4. Split a given list into two parts based on given length*

```
original_list = [1, 1, 2, 3, 4, 4, 5, 1]
split_length = 3
```

```
first_part = original_list[:split_length]
second_part = original_list[split_length:]
```

```
print("First part:", first_part)
print("Second part:", second_part)
```

First part: [1, 1, 2]

Second part: [3, 4, 4, 5, 1]

*# 5. Traverse a given list in reverse order and print elements*

```
colors = ['red', 'green', 'white', 'black']
```

```
print("Traverse the list in reverse order:")
```

```
for i in range(len(colors)-1, -1, -1):
```

```
    print(colors[i], end=' ')
```

Traverse the list in reverse order:

black white green red