PYTHON: ASSIGNMENT 02

PROBLEM STATEMENT 1:

Given a list of numbers

```
filenames = ['view.jpg', 'bear.jpg', 'ball.png']
```

Write a program Add the file 'phone.jpg' to this list at the beginning. Then delete the file 'ball.png'. In response, print the filenames list to the console.

Expected Output

```
['phone.jpg', 'view.jpg', 'bear.jpg']
```

Code:

```python
filenames=['views.jpg','bear.jpg','ball.png']

filenames.insert(0,'phone.jpg')

del filenames[3]
print(filenames)
```

output:

```python
filenames=['views.jpg','bear.jpg','ball.png']
filenames.insert(0,'phone.jpg')
del filenames[3]
print(filenames)
```

```
['phone.jpg', 'views.jpg', 'bear.jpg']
```

PROBLEM STATEMENT 2:

Given a list of numbers

```
L = [1,2,3,4,5,6,7,8,9,10]
```

Write a program to find the maximum,minimum and average element in a given list without using *max*

Code:

```python
def find_max_min_avg(L):
    if not L:
        print("List is empty.")
        return

    sorted_lst = sorted(L)
    min_value = sorted_lst[0]
    max_value = sorted_lst[-1]
    average = sum(L) / len(L)

    return min_value, max_value, average


L = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
min_val, max_val, avg = find_max_min_avg(my_list)

print("Minimum value:", min_val)
print("Maximum value:", max_val)
print("Average:", avg)
```

```python
def find_max_min_avg(L):
    if not L:
        print("List is empty.")
        return

    sorted_lst = sorted(L)
    min_value = sorted_lst[0]
    max_value = sorted_lst[-1]
    average = sum(L) / len(L)

    return min_value, max_value, average


L = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
min_val, max_val, avg = find_max_min_avg(my_list)

print("Minimum value:", min_val)
print("Maximum value:", max_val)
print("Average:", avg)
```

```
Minimum value: 1
Maximum value: 10
Average: 5.5
```