

## Classroom Assignment <8>: Student Marks Report

### Learning Objective:

The objective of this assignment is to practice storing multiple values in a list and performing basic calculations using built-in functions. You will also practice modifying lists by adding and removing elements.

### Expected Completion Time:

Best Case: 15 minutes

Average Case: 20 minutes

### Assignment Details:

You are given a list of student marks:

```
marks = [78, 85, 62, 90, 55, 88]
```

Write a Python program to:

1. Print the **highest** and **lowest** marks.
2. Print the **average** marks.
3. Print all marks **above 75** (distinction).
4. Add a new mark 95 to the list.
5. Remove a mark 55 from the list.
6. Sorting of the marks

### Requirements:

- Use `max()`, `min()`, `sum()`, and `len()` to calculate values.
- Use a `for` loop with `if` condition to print distinction marks.
- Use `append()` to add a new element.
- Use `remove()` to delete a specific element.

### Hints to Solve:

- Example structure:

```
marks = [78, 85, 62, 90, 55, 88]
```

```
highest = max(marks)
```

```
lowest = min(marks)
```

```
average = sum(marks) / len(marks)
```

```
print("Highest:", highest)
```

```
print("Lowest:", lowest)
```

```
print("Average:", average)
```



```
print("Distinction:")
for mark in marks:
    if mark >= 75:
        print(mark)

# Add new mark
marks.append(95)
print("After Adding 95:", marks)

# Remove a mark
marks.remove(55)
print("After Removing 55:", marks)
```

### Expected Outcome:

- Highest: 90
- Lowest: 55
- Average: 76.33
- Distinction:
- 78
- 85
- 90
- 88