

Program:

```
n=int(input("Enter No Of Students:"))
students_marks = []

for i in range(n):
    mark = int(input("Enter Mark of Student-{}".format(i+1)))
    students_marks.append(mark)

total_marks = sum(students_marks)

avg = total_marks/len(students_marks)

passed = 0
failed = 0

for i in students_marks:
    if i >= 40:
        passed+=1
    else:
        failed+=1

print("Total Marks:",total_marks)
print("Average Marks:",round(avg,2))
print("Passed Students:",passed)
```

```
print("Failed Students:",failed)
```

Output:

Enter No Of Students:5

Enter Mark of Student-1:30

Enter Mark of Student-2:60

Enter Mark of Student-3:40

Enter Mark of Student-4:78

Enter Mark of Student-5:58

Total Marks: 266

Average Marks: 53.2

Passed Students: 4

Failed Students: 1

Time Complexity : $O(n)$

Space Complexity : $O(n)$

Git Commands:

```
cd downloads
```

```
cd githubtask
```

git add .

git commit -m "Commit Initilize"

git push origin Test