

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 Initialize"
```

```
git push origin Test
```