4a.

CODE-

```
    cse16@localhost:∼
```

OUTPUT-

```
[csel6@localhost ~]$ gawk -f emp.awk emp.dat

Employee Name | Salary

JOE | 40000

BEN | 49000

AMY | 39000

Total number of employees satisfying the criteria: 3

Total pay of these employees: 128000

Average pay of these employees: 42666.7
```

4b.

CODE-

OUTPUT-

```
NAME SUB-1 SUB-2 SUB-3 SUB-4 SUB-5 SUB-6 STATUS

FAIL

BEN 40 55 66 77 55 77 FAIL

TOM 60 67 84 92 90 60 PASS

RAM 90 95 84 87 56 70 PASS

JIM 60 70 65 78 90 87 PASS
```