


EXP NO:4a

Employee Average Pay

PROGRAM

 cse81@localhost:~

```
JIM 8000 5  
RAM 7000 6  
TIM 8000 9  
BEN 4000 5
```

```
BEGIN {  
    totalPay = 0  
    count = 0  
}  
  
$2 > 6000 && $3 > 4 {  
    pay = $2 * $3  
    print $1, pay  
    totalPay += pay  
    count++  
}  
  
END {  
    if (count > 0) {  
        print "no of employees are=", count  
        print "total pay=", totalPay  
        print "average pay=", totalPay / count  
    } else {  
        print "No employees satisfy the criteria"  
    }  
}
```

OUTPUT

```
[cse81@localhost ~]$ gawk -f emp.awk emp.dat  
JIM 40000  
RAM 42000  
TIM 72000  
no of employees are= 3  
total pay= 154000  
average pay= 51333.3
```

EXP NO:4b

Results of Examination

PROGRAM

cse81@localhost:~

```
BEN 40 55 66 77 55 77
TOM 60 67 84 92 90 60
RAM 90 95 84 87 56 70
JIM 60 70 65 78 90 87
```

cse81@localhost:~

```
BEGIN {
    print "NAME", "SUB-1", "SUB-2", "SUB-3", "SUB-4", "SUB-5", "SUB-6", "STATUS"
    print "_____ "
}

{
    name = $1
    fail = 0
    for (i = 2; i <= 7; i++) {
        if ($i < 45) {
            fail = 1
        }
    }

    status = (fail == 1) ? "FAIL" : "PASS"
    printf "%-5s %-6s %-6s %-6s %-6s %-6s %-6s\n", name, $2, $3, $4, $5, $6, $7, status
}

END {
    print "_____ "
}
```

OUTPUT

[cse81@localhost ~]\$ gawk -f marks.awk marks.dat

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

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

[cse81@localhost ~]\$ vi marks.awk