

Ex. No.: 3 a

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### EMPLOYEE AVERAGE PAY

Aim:

To find out the average pay of all employees whose salary is more than 6000 and no. of days worked is more than 4.

Algorithm:

1. Create a flat file emp.dat for employees with their name, salary per day and number of days worked and save it.
2. Create an awk script emp.awk
3. For each employee record do
  - a. If Salary is greater than 6000 and number of days worked is more than 4 then print name and salary earned
  - b. Compute total pay of employee
4. Print the total number of employees satisfying the criteria and their average pay.

Program Code:

vi emp.dat

Alice	7000	5
Bob	8000	3
Charlie	6000	6
David	5500	7
Eve	7500	4
Frank	6200	5

vi emp.awk

```
{
    if ($2 > 4000 && $3 > 4) {
        print $1, $2 * $3
        totalpay += $2 * $3
        count++
    }
}

END { if (count > 0) {
    avgPay = totalpay / count
    print "Total employees: " count
    print "Average Pay: " avgPay
}
```

else {

print "criteria not satisfied"

}

~

Output:

awk -f emp.awk emp.dat

Alice	35000
Charlie	39000
David	38500
Frank	31000

Total Employees: 4

Average Pay: 35875

RESULT:

The program has been executed & the output has been verified successfully.

