

Ex. No.: 4a)

Date: 12/2/25

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:

```
BEGIN {  
    Print "Employees Details"  
}  
{  
    if ($2 > 6000 && $3 > 4){  
        Print $1, "\t\t", $2 * $3  
        Pay = Pay + $2 * $3  
        count = count + 1  
    }  
}  
End {  
    Print "no of employee are = ", count  
    Print "total pay = ", Pay  
    Print "average pay = ", Pay / count  
}
```

emp dat

Take 7000 9

Jerry 7500 3

Any 6500 6

Rose 5500 5

Charles 9000 7

Scully 3000 3

Noor 2500 3

Output

Employee details

Take 63000

Any 39000

Charles 63000

No of employee are = 3

Total pay = 165000

average pay = 55000



Sample Input:

//emp.dat – Col1 is name, Col2 is Salary Per Day and Col3 is //no. of days worked

JOE 8000 5
RAM 6000 5
TIM 5000 6
BEN 7000 7
AMY 6500 6

Output:


Run the program using the below commands

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

EMPLOYEES DETAILS

```
JOE 40000  
BEN 49000  
AMY 39000  
no of employees are= 3  
total pay= 128000  
average pay= 42666.7  
[student@localhost ~]$
```

Result:


A program is executed using AWK script to find the average pay of employees