

Ex No: 4(a)

EMPLOYEE AVERAGE PAY

Date: 08.02.2025

Aim:

To find out the average pay of all employees whose salary is more than 6000 and the number of days worked is more than 4.

Algorithm:

1. Create a flat file emp.dat containing employee records with the fields: name, salary per day, and number of days worked.
 2. Create an AWK script file emp.awk.
 3. For each employee record:
 - If salary per day is greater than 6000 **and** number of days worked is greater than 4:
 - Print the employee name and the total salary earned.
 - Accumulate total pay and count of such employees.
 4. At the end of the script:
 - Display the total number of qualified employees. ○
Display the total pay. ○ Display the average pay.
-

Program Code:

emp.dat – Input File

JOE 8000 5

RAM 6000 5

TIM 5000 6

BEN 7000 7 AMY 6500

6 emp.awk – AWK

Script

```
BEGIN { print "EMPLOYEES
DETAILS" count = 0

total = 0
}
{
    name = $1
    salary = $2 days = $3 if (salary
> 6000 && days > 4) { pay =
salary * days print name, pay
count++
    total += pay

}
}

END { print "no of employees are= "
count print "total pay= " total
if (count > 0) print "average pay= "
total / count else
    print "average pay= 0"

}
```

Sample Input and Output:

```
[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

Result:

The AWK script was successfully implemented to calculate the average pay of employees whose salary is greater than 6000 and who worked more than 4 days. The script executed correctly and the output was verified.