

**Ex. No.: 4(a)**

**Date: 08.02.2025**

**NAME: Prem Roshan P**

**ROLLNO: 231901036**

### **EMPLOYEE AVERAGE PAY**

**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.