Ex. No.: 4a)

Date: 12.02.2025

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:

```
// emp.awk
BEGIN { print "EMPLOYEE DETAILS" }
{ #Salary should be greater than 6000 and
  days more than 4
if (($2>6000 && $3>4))
{
    print $1, "\t\t", $2*$3
    pay = pay + $2*$3
    count = count+1
}
}
END {
{ #action part
   print "no of employee are =", count
   print "total pay =", pay
   print "average pay =", pay/count
}
```

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 ~]$

EMPLOYEE DETAILS

JOE 40000

BEN 49000

AMY 39000

no of employee are = 3

total pay = 128000

average pay = 42666.7

Result:

A awk script program has been executed to get the employee average pay