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:

```
//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

Input :-

SARA 7000 5
JOEL 10000 5
TIMMIY 8000 6
MARK 4000 7
MARSH 6500 6
YOSHNA 300 7
NISHA 12000 2

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 ~]$

output:-

SARA 7000
JOEL 10000
TIMMIY 8000
MARSH 6500
NISHA 12000
no of employees are 5
total pay = 43500
average pay = 8700

Result:

Thus, the AWK Script to find out the average pay of all employees whose Salary is more than 6000 and no of days worked is more than 4.