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:

. dat

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 " EMPLOYEES 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 {.
  print "no. of employees 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 ~]$

Input

joey	7994	5
monica	6000	5
chandler	5000	6
ross	7000	7
rachel	4000	4

Output:

Employees details

joey	39970	no. of emp are = 2
ross	49000	total pay = 88970
		average pay = 44485

Result:

The program on AWK script is executed to find the average pay of employee