Ex. No.: 4a)

Date: 14/2/25

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:

awk

```
BEGIN { print "Employees Details" }
{ # Salary should be > 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 employees are = ", count
  print "total pay = ", pay
  print "average pay = ", pay/count
}
}
```

dat

```
JOE  8000  5
RAM  6000  5
VIR  4372  6
BRUNO 9052 8
RON  6500  6
```

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
BRUNO 72416
RON 39000
No. of employees are = 3
total pay = 151416
average pay = 50472

Result: Hence the program to find out the average pay of all employees whose salary is more than 6000 and no. of days worked is more than 4 is executed.