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:

```
BEGIN {print "Employees details"}
{
    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:

Alvin	7000	5
Raven	8000	4
Thomas	6000	5

Output:

Alvin 40000
Raven 32000
Thomas 30000
No. of employees = 3
total pay = 102000
Average pay = 34,000

Result:

The above program to write a shell script to find out the average pay of all employees whose salary is greater than 6000 has been executed successfully.