

Ex. No.: 3 a

Date: 06-03-2024

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.

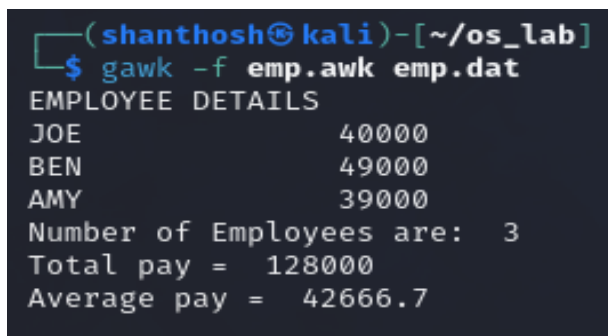
Program Code:

//emp.awk

```
BEGIN{print "EMPLOYEE DETAILS"}{
    if($2>6000 && $3>4){
        print $1,"\t\t",$2*$3
        pay=pay+$2*$3
        count=count+1
    }
}
END{
    print "Number of Employees are: ",NR/count+1
    print "Total pay = ",pay
    print "Average pay = ", pay/count
}
```

```
//emp.dat  
JOE 8000 5  
  
RAM 6000 5  
  
TIM 5000 6  
  
BEN 7000 7  
  
AMY 6500 6
```

Output:



```
(shanthosh@kali)-[~/os_lab]  
$ gawk -f emp.awk emp.dat  
EMPLOYEE DETAILS  
JOE          40000  
BEN          49000  
AMY          39000  
Number of Employees are:  3  
Total pay =  128000  
Average pay =  42666.7
```

Result:

Hence the awk script to print the details of the employee and their total and average pay has been successfully completed and executed.