

Ex. No.: 4a)

EMPLOYEE AVERAGE PAY

Aim:

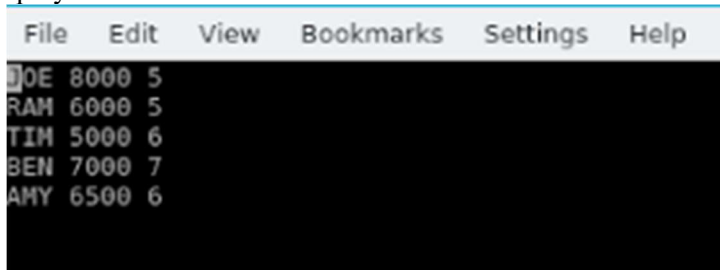
To find out the average pay of all employees whose salary is more than 6000 and no. of days worked is more than 4.

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.

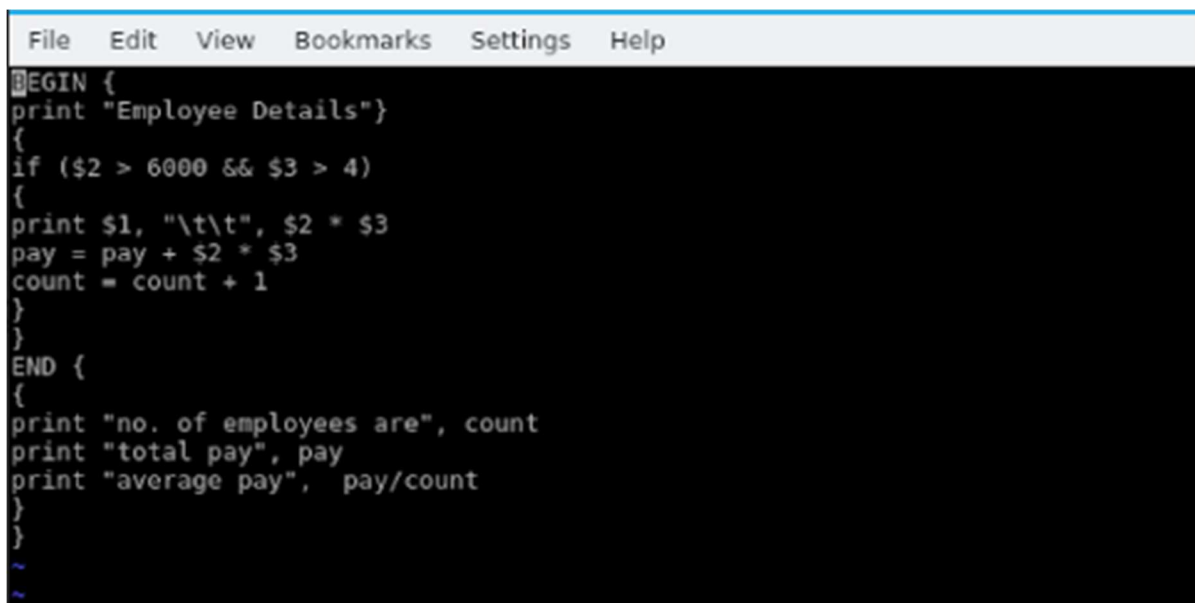
Program Code:

employee.dat



```
File Edit View Bookmarks Settings Help
JOE 8000 5
RAM 6000 5
TIM 5000 6
BEN 7000 7
AMY 6500 6
```

employee.awk



```
File Edit View Bookmarks Settings Help
BEGIN {
print "Employee 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

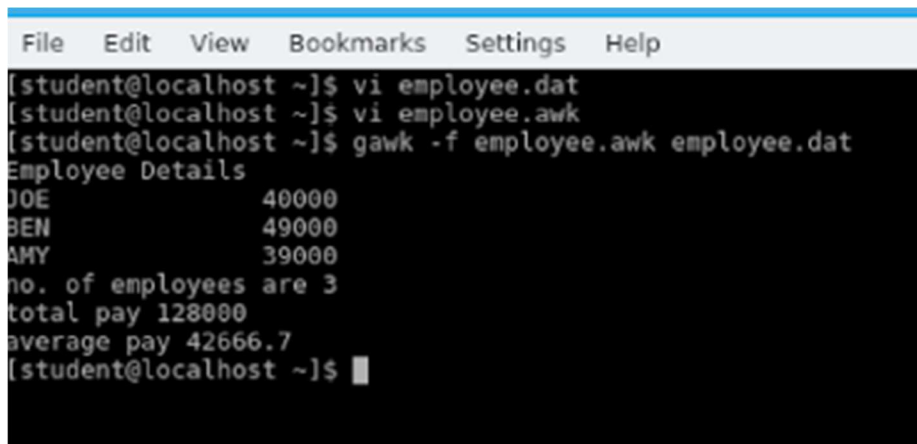
```
JOE 8000 5
RAM 6000 5
TIM 5000 6
BEN 7000 7
AMY 6500 6
```

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 ~]$
```

A screenshot of a terminal window with a menu bar (File, Edit, View, Bookmarks, Settings, Help) and a dark background. The terminal shows the following commands and output:

```
[student@localhost ~]$ vi employee.dat
[student@localhost ~]$ vi employee.awk
[student@localhost ~]$ gawk -f employee.awk employee.dat
Employee Details
JOE          40000
BEN          49000
AMY          39000
no. of employees are 3
total pay 128000
average pay 42666.7
[student@localhost ~]$
```

Result:

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 was executed and got the output.