

EMPLOYEE AVERAGE PAY

Aim:

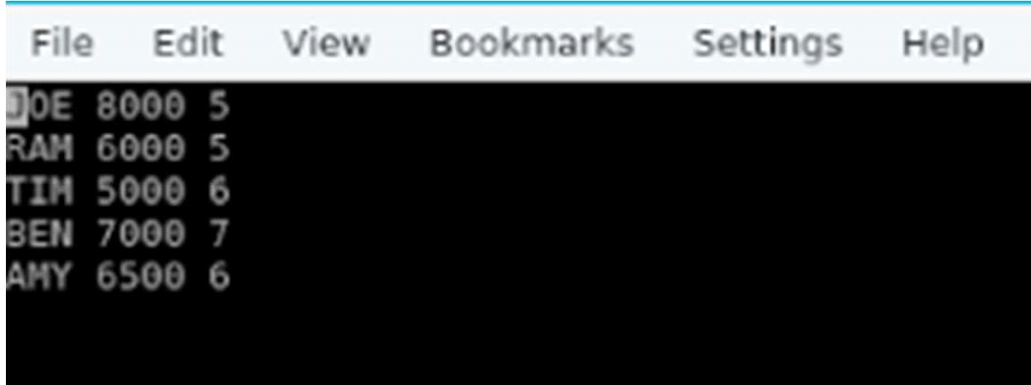
To find out the average pay of all employees whose salary is more than 6000 and no. of days worked is more than 4.

Algorithm:

- Create a flat file emp.dat for employees with their name, salary per day and number of days worked and save it.
- Create an awk script emp.awk
- For each employee record do
 - If Salary is greater than 6000 and number of days worked is more than 4, then print name and salary earned
 - Compute total pay of employee
- Print the total number of employees satisfying the criteria and their average pay.

Program Code:

employee.dat

A screenshot of a text editor window with a menu bar (File, Edit, View, Bookmarks, Settings, Help) and a dark background. The text inside the editor is as follows:

```
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
}
}
~
~
```

//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
```

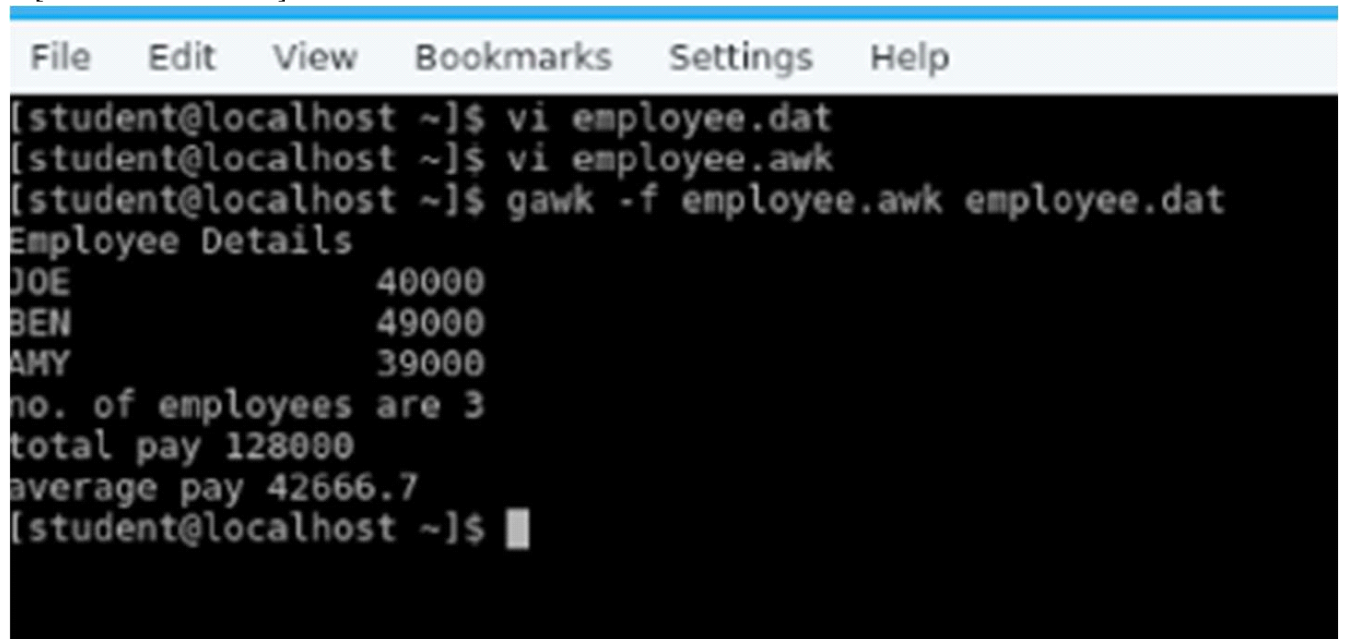
Output:

Run the program using the below commands

```
[student@localhost ~]$ vi emp.dat
[student@localhost ~]$ vi emp.awk
[student@localhost ~]$ gawk -f emp.awk em.dat.
```

```
EMPLOYEES
DETAILS JOE 40000
BEN 49000
AMY 39000
no of employees
are= 3 total pay=
128000
```

average pay= 42666.7
[student@localhost ~]\$



The screenshot shows a terminal window with a menu bar (File, Edit, View, Bookmarks, Settings, Help) and a black background. The terminal displays 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.