Ex 4 a)	
Name: B M Madhumitha	**Awk Script- Employee Pay**
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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:

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

emp.awk
```
BEGIN {
  print "Employee Details"
}
{
  if( $2 > 6000 && $3>4 ){
   print $1,$2*$3
   count = count + 1
   sum = sum + $2*$3

  }

  total_sum = total_sum + $2*$3

}
END{
```

```
        print "Total salary dispursed:",totl_sum
        print "Total no. of employee satisfied the criteria :",count
        print "Their average pay:",sum/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.

EMPLOYEE
S DETAILS
JOE 40000
BEN 49000
AMY 39000

no of
employees
are= 3 total
pay=
128000
average
pay=
42666.7
[student@l
ocalhost
~]$

Output:

```
HP@LAPTOP-Q9KGLMN4 MINGW64 ~/OneDrive/Desktop/oslab
$ awk -f emp.awk emp.txt
Employee Details
JOE 40000
BEN 49000
AMY 39000
Total salary dispursed: 188000
Total no. of employee satisfied the criteria : 3
Their average pay: 42666.7

HP@LAPTOP-Q9KGLMN4 MINGW64 ~/OneDrive/Desktop/oslab
```

Result : Thus, the program was executed successfully.