emp.dat

Jake 7000 9

Tony 7500 3

Amy 6500 6

Rosa 5500 5

Charles 9000 7

Scully 3000 3

Norm 2500 3

~~map~~

Output:

Employee Details

Jake 63000

Amy 39000

Charles 63000

no of employees are = 3

total pay = 165000

average pay = 55000

**Ex. No.: 4a)**

**Date:** 12.2.25

## 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 "Employee Details"
 pay=0
 count =0 }
{ 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 ~]$

**Result:**

A program is executed using AWK script to find the average pay of employees.