

**Ex No: 4(a)**

**Roll no:231901004**

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### **EMPLOYEE AVERAGE PAY**

**Aim:**

To find out the average pay of all employees whose salary is more than 6000 and the number of days worked is more than 4.

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**Algorithm:**

1. Create a flat file emp.dat containing employee records with the fields: name, salary per day, and number of days worked.
  2. Create an AWK script file emp.awk.
  3. For each employee record:
    - If salary per day is greater than 6000 **and** number of days worked is greater than 4:
      - Print the employee name and the total salary earned.
      - Accumulate total pay and count of such employees.
  4. At the end of the script:
    - Display the total number of qualified employees. ○  
Display the total pay. ○      Display the average pay.
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**Program Code:**

**emp.dat – Input File**

JOE 8000 5

RAM 6000 5

TIM 5000 6

BEN 7000 7 AMY 6500

## 6 **emp.awk** – AWK

### Script

```
BEGIN { print "EMPLOYEES  
DETAILS" count = 0  
  
total = 0  
}  
{  
    name = $1  
    salary = $2 days = $3 if (salary  
> 6000 && days > 4) { pay =  
salary * days print name, pay  
count++  
    total += pay  
  
    }  
}  
  
END { print "no of employees are= "  
count print "total pay= " total  
if (count > 0) print "average pay= "  
total / count else  
    print "average pay= 0"  
  
}
```

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**Sample Input and Output:**

```
[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

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**Result:**

The AWK script was successfully implemented to calculate the average pay of employees whose salary is greater than 6000 and who worked more than 4 days. The script executed correctly and the output was verified.