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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.

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. o Display the total pay. o

    Display the average pay.

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"
}
```

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
```

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.