Date: 07-02-2025

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.

Program Code:

emp.dat

joe 8000 5
ram 6000 5
tim 5000 6
ben 7000 7
amy 6500 6

emp.awk

```awk
BEGIN {
    total_salary = 0;
    total_employees = 0;
}
{

    name = $1;
  salary_per_day = $2;
  days_worked = $3;


    if (salary_per_day > 6000 &&
    days_worked > 4) { total_pay =
    salary_per_day * days_worked
    total_salary += total_pay;
        total_employees++;

        print name, total_pay;

    }
}

END {
    if (total_employees > 0) {
        average_pay = total_salary / total_employees;
        print "Total number of employees: "
    total_employees; print "Average pay: "
    average_pay;
    } else {
```

```
        print "No employees satisfy the criteria.";
    }
}
```

Output :

```
[cse76@localhost ~]$ gawk -f emp.awk emp.dat
joe 40000
ben 49000
amy 39000
Total number of employees: 3
Average pay: 42666.7
```

RESULTS OF EXAMINATION

Aim: To print the pass/fail status of a student in a class.

Program Code:

```
//marks.awk
BEGIN {
    print "NAME SUB-1 SUB-2 SUB-3 SUB-4 SUB-5 SUB-6 STATUS";
    print "_____";
}
{

    name =
  $1; sub_1
  =      $2;
 sub_2    =
  $3; sub_3
  =      $4;
 sub_4    =
  $5; sub_5
  =      $6;
 sub_6    =
 $7;

    if (sub_1 < 45 || sub_2 < 45 || sub_3 < 45 || sub_4 < 45 || sub_5 < 45 ||
   sub_6 < 45) { status = "FAIL";
   } else {
       status = "PASS";
   }

    print name, sub_1, sub_2, sub_3, sub_4, sub_5, sub_6, status;

}
Result :
```

```
[cse76@localhost ~]$ gawk -f marks.awk marks.dat
NAME SUB-1 SUB-2 SUB-3 SUB-4 SUB-5 SUB-6 STATUS
_____
ben 40 55 66 77 55 77 FAIL
tom 60 67 84 92 90 60 PASS
ram 90 95 84 87 56 70 PASS
jim 60 70 65 78 90 87 PASS
        FAIL
```