

OS LAB MANUAL

(CS23431)

Lab:3

Roll No:230701254

4A)

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:

-To Create an awk script emp.awk:

```
BEGIN {  
    print "EMPLOYEES DETAILS";  
    totalPay = 0;  
    count = 0;  
}  
{  
    salaryearned = $2 * $3;  
    if ($2 > 6000 && $3 > 4) {  
        print $2, salaryearned;  
        totalPay += salaryearned;  
        count++;  
    }  
}  
END {  
    print "no of employees are=", count;
```

```
print "total pay=", totalPay;
if (count > 0) {
    avgPay = totalPay / count;
    print "average pay=", avgPay;
} else {
    print "average pay= 0";
}
}
```

Input:

-To Create a flat file emp.dat:

```
Alice 7000 5
Bob 4000 6
Cathy 6500 3
David 8000 6
```

Output:

```
EMPLOYEES DETAILS
7000 35000
8000 48000
no of employees are= 2
total pay= 83000
average pay= 41500
```

4B)

RESULTS OF EXAMINATION

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

Program Code:

marks.awk:

```
{
    status = "Payya pass pa";
    for (i = 2; i <= NF; i++) {
        if ($i < 45) {
            status = "Fail ahh,but keep trying";
            break;
        }
    }
    print $0, status;
}
```

Input:

-marks.dat

```
Kumar 65 88 72
Rekha 35 78 60
Anil 50 45 44
```

Output:

Kumar 65 88 72 Payya pass pa

Rekha 35 78 60 Fail ahh,but keep trying

Anil 50 45 44 Fail ahh,but keep trying