

# OPERATING SYSTEM - CS23431

## EXP 4(A)

### AWK SCRIPT – EMPLOYEE AVERAGE PAY

**NAME: S.Manicka Meenakshi**

**ROLL NO: 230701173**

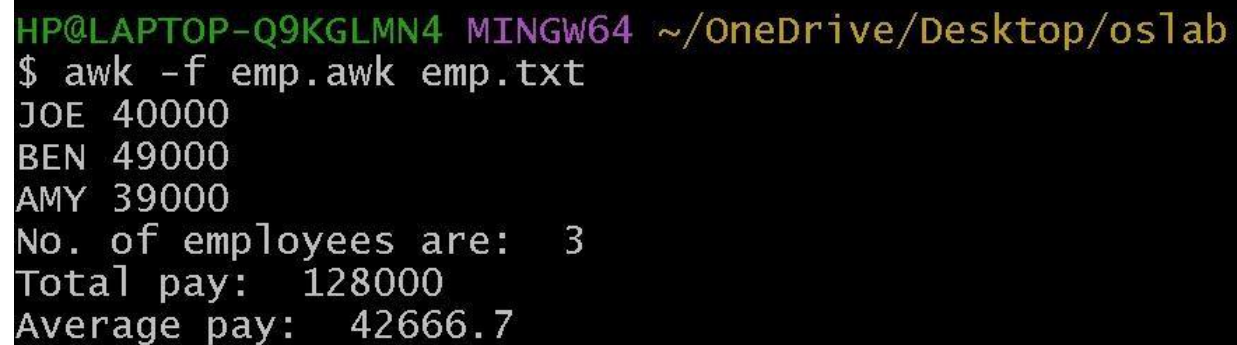
#### **PROGRAM:**

```
BEGIN {
    total = 0
    count = 0
}

{
    if ($2 > 6000 && $3 > 4) {
        print $1, $2 * $3
        total += $2 * $3
        count++
    }
}

END {
    print "No. of employees are: ", count
    print "Total pay: ", total
    print "Average pay: ", (total / count)
}
```

#### **OUTPUT:**



```
HP@LAPTOP-Q9KGLMN4 MINGW64 ~/OneDrive/Desktop/oslab
$ awk -f emp.awk emp.txt
JOE 40000
BEN 49000
AMY 39000
No. of employees are:  3
Total pay:  128000
Average pay:  42666.7
```

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## EXP 4(B)

### AWK SCRIPT – RESULTS OF EXAMINATION

NAME: S.Manicka Meenakshi

ROLL NO: 230701173

#### PROGRAM:

```
BEGIN {
    print "Name", "\t", "Sub-1", "\t", "Sub-2", "\t", "Sub-3", "\t", "Sub-4", "\t", "Sub-5", "\t", "Sub-6", "\t", "Status"
    print "\n"
}

{
    if ($2 < 45 || $3 < 45 || $4 < 45 || $5 < 45 || $6 < 45 || $7 < 45) {
        print $1, "\t", $2, "\t", $3, "\t", $4, "\t", $5, "\t", $6, "\t", $7, "\t", "Fail"
    } else {
        print $1, "\t", $2, "\t", $3, "\t", $4, "\t", $5, "\t", $6, "\t", $7, "\t", "Pass"
    }
}

END {
    print "....."
}
```

#### OUTPUT:

```
HP@LAPTOP-Q9KGLMN4 MINGW64 ~/OneDrive/Desktop/oslab
$ awk -f result.awk result.txt
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
. . . . .
```