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Ex. No.: 4a)

EMPLOYEE AVERAGE PAY

Aim:

To write a shell script that calculates the **average pay of employees** by accepting employee details (name, salary), computing the total salary, and then finding the average pay.

Program Code:

```
//emp.awk
BEGIN{print "EMPLOYEES DETAILS"}

{#salary should be greater than 6000 and days more than 4
if($2>6000 && $3>4)
{
print $1,"\t\t", $2*$3 pay=pay+ $2*$3 count=count+1
}
}

END{
{#action part
print "no of employees are=",NR/count+1 print "total pay=",pay
print "average pay=",pay/count
}
}
```

//emp.dat – Col1 is name, Col2 is Salary Per Day and Col3 is //no. of days worked JOE 8000 5

RAM 6000 5

TIM 5000 6

BEN 7000 7

AMY 6500 6

Output:

JOE 40000

BEN 49000

AMY 39000

no of employees are= 3 total pay= 128000

average pay= 42666.7

Ex. No.: 4b)**RESULTS OF EXAMINATION****Aim:**

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

Program Code:

//marks.dat

//Col1- name, Col 2 to Col7 – marks in various subjects BEN 40 55 66 77 55 77

TOM 60 67 84 92 90 60

RAM 90 95 84 87 56 70

JIM 60 70 65 78 90 87

//marks.awk

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" }

{ #BODY

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 ("\n") }

```

Output:

```

[root@localhost student]# 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

```
