Ex. No.: 4a)

Date: 14/2/25

### **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.

### Algorithm:

- 1. Create a flat file emp.dat for employees with their name, salary per day and number of days worked and save it.
- 2. Create an awk script emp.awk
- 3. For each employee record do
- a. If Salary is greater than 6000 and number of days worked is more than 4, then print name and salary earned
- b. Compute total pay of employee
- 4. Print the total number of employees satisfying the criteria and their average pay.

### **Program Code:**

### Sample Input:

//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:**

### Run the program using the below commands

[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
[student@localhost ~]\$

g VI

#### Result:

The program to find out the average pay of all employees whose solary is more than 6000 & number of days most than 4 was executed successfully.

Sample	Input	(emp.dat)
TIM	കര	6
Joe	8000	5
BEN	4000	7
AMY	₩000	6
YAS	8000	8
SUB	8000.	٩
8004	0000	7
5 HO	9500	8
PRI	9500	8
RAM	6000	5

# Sample Output:

EMPLOYEES	DETRILS
308	40000
BEN	49000
AMY	39000
YAS	64000
SuB	12000
SUG	63000
Sho	76000
PP-I	76000
no es	employer are = 8
potal bo	y : 479 000
average	pay: 59875

Ex. No.: 4b) Date: 15/2/25

### RESULTS OF EXAMINATION

Aim:

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

### Algorithm:

- 1. Read the data from file
- 2. Get a data from each column
- 3. Compare the all subject marks column
  - a. If marks less than 45 then print Fail
  - b. else print Pass

**Program Code:** 

//marks.awk

BEGINT

print "NAME", "It", "SUB-1", "It", "SUB-2", "It", "SUB-3", "It", "300-9", "It", "808-5", "It", "308-6", "It", "8TATUS"

if (\$2245 11 \$3645 11 \$4645 11 \$5645 11 \$7645) 3 7

priot \$1."\t",\$2,"\t",\$5,"\t",\$4."\t",\$1,"\t",
\$6,"\t",\$7,"\t","FAIL" 3

print \$1, "\t", \$2, "\t", \$3, "\t", \$4, "\t", \$5, "\t", \$6, "\t", \$7, "\t", "PASS" 4 else

30

### Input:

//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

### Output:

Run the program using the below command

[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

Result:

print PASS FAIL Statute of a student in a class was executed successfully.

### Sample Input: (marks. clat)

Yas	60	90	80	75	ų ኍ	88
pri	78	89	87	45	87	98
sho	86	76	67	98	64	35
sug	80	65	97	75	87	97
aub	86	97	56	વિજ	66	87

## Sample Output:

NAME	SUB-1	808-2	SUB-3	SUB-4	Sub-5	80B-F	STATES
				75	42	<b>3</b> \$	FAIL
Yas	60	90	80	45	87	98	የብዓያ
pri	78	89	87	98	64	35	FAIL
8ho	86	H	67 97	75	87	97	PASS
sug	୧७	65	56	98	66	87	Pass
Sub	86	9.7					