

Ex. No.: 3 b

Date: 9.8.24

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:

vi ~~ex~~ marks.dat

	40	55	66	77	55	77
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

vi result.cwk

```
{ if($2>45 && $3>45 && $4>45 && $5>45 && $6>45 && $7>45){
    grade = "PASS"
    print $1" " $2" " $3" " $4" " $5" " $6" " $7" " grade
    count++
}
else {
    grade = "FAIL"
    print $1" " $2" " $3" " $4" " $5" " $6" " $7" " grade
    count++
}
```

BEGIN{

print "Name subject1 subject2 subject3 subject4 subject5
subject6 Result"

print "-----"

}
END{

print "-----"

}

OUTPUT

awk -f result.awk marks.dat

Name	subject 1	subject 2	subject 3	subject 4	subject 5	subject 6	Result
				77	55	77	FAIL
Ben	40	55	66	92	90	60	PASS
Tom	60	67	84	87	56	70	PASS
Ram	90	95	84	78	90	87	PASS
Jim	60	70	65				

RESULT:

The program has been executed & the output has been verified successfully.