

EX. NO: 4B

DATE: 05.02.2025

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:

```
BEGIN {  
    print "NAME SUB-1 SUB-2 SUB-3 SUB-4 SUB-5 SUB-6 STATUS";  
    print "_____";  
}  
  
{    name =  
$1;  
    status = "PASS";  
  
    for (i = 2; i <= 7; i++) {  
if ($i < 45) {  
status = "FAIL";  
    }  
    }  
  
    print name, $2, $3, $4, $5, $6, $7, status;  
}
```

File	Actions	Edit	View	Help
BEN	40	55	66	77
TOM	60	67	84	90
RAM	90	95	84	56
JIM	60	70	65	78

```
(kali㉿kali)-[~]  
$ vi marks.dat  
  
(kali㉿kali)-[~]  
$ vi marks.awk  
  
(kali㉿kali)-[~]  
$ 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  
  
(kali㉿kali)-[~]  
$
```

RESULT:

Hence, mark status details using awk script is executed successfully.