

EX. NO: 4B**DATE: 05.02.2025****RESULTS OF EXAMINATION****AIM:**

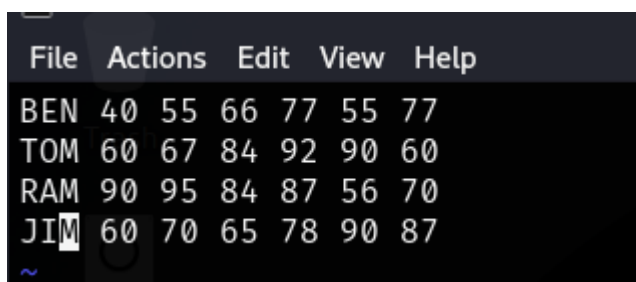
To print the pass/fail status of a student in a class.

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;  
}
```



The screenshot shows a terminal window with a menu bar (File, Actions, Edit, View, Help) and a table of student marks. The table has 7 columns: Name, SUB-1, SUB-2, SUB-3, SUB-4, SUB-5, and SUB-6. The rows represent four students: BEN, TOM, RAM, and JIM. The marks for each student are: BEN (40, 55, 66, 77, 55, 77), TOM (60, 67, 84, 92, 90, 60), RAM (90, 95, 84, 87, 56, 70), and JIM (60, 70, 65, 78, 90, 87). The cursor is positioned at the end of the JIM row.

	File	Actions	Edit	View	Help	
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

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