

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	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  
  
(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.