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 succesfully.