

**Ex. No.: 3 b**

**Date: 09-03-2024**

### **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:**

```
// marks.awk
BEGIN{
    print"NAME","\t","SUB-1","\t","SUB-2","\t","SUB-3","\t","SUB-4","\t","SUB-
5","\t","SUB-6","\t","STATUS"
    print"_____ \n"
}
{
    #BODY
    if($2<45||$3<45||$4<45||$5<45||$6<45||$7<45)
        status = "FAIL"
    else
        status ="PASS"
    print $1,"\t",$2,"\t",$3,"\t",$4,"\t",$5,"\t",$6,"\t",$7,"\t",status
}
END{
    print"_____ \n"
```

```
}
```

```
// marks.dat
```

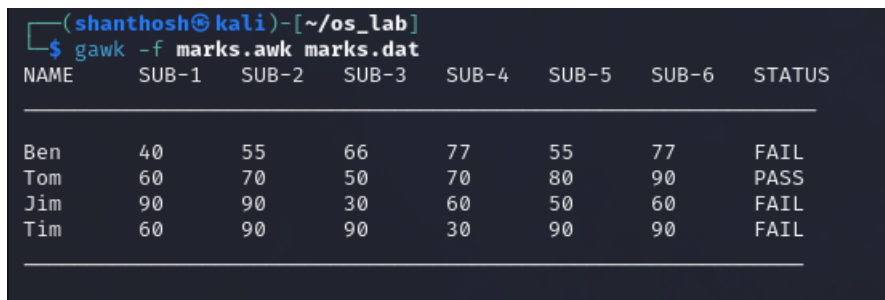
```
Ben 40 55 66 77 55 77
```

```
Tom 60 70 50 70 80 90
```

```
Jim 90 90 30 60 50 60
```

```
Tim 60 90 90 30 90 90
```

## OUTPUT:



```
(shanthosh@kali)-[~/os_lab]
$ 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	70	50	70	80	90	PASS
Jim	90	90	30	60	50	60	FAIL
Tim	60	90	90	30	90	90	FAIL

## Result:

Hence the awk script to identify the students who have failed and passed has been successfully completed and executed.