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Class → BTech. 2nd Year { E }

University RollNo. → 191500429

Class RollNo. → '37'

Subject → Operating System Lab

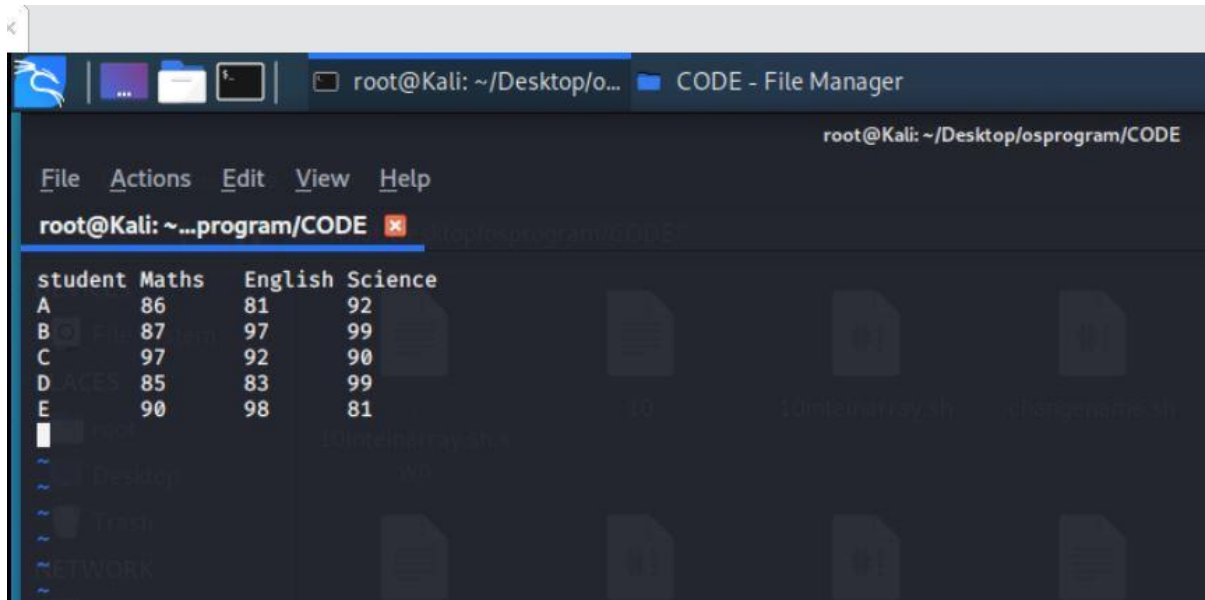
Subject Code → BCSC 0803

Subject Teacher → MRS. Nidhi

QUS 1 ➔ you are given a file with four space separated columns containing the scores of student in three subjects. The first column contains a single character (A-Z), the student identifier. The next three columns have numbers each. The numbers are between 0 and 100, both inclusive. These numbers denote the scores of the students in ENGLISH, MATHEMATICS, SCIENCE, respectively. Your task is to identify whether each of the students has passed or fails. A student is considered to have passed if...

MARKS FILE →

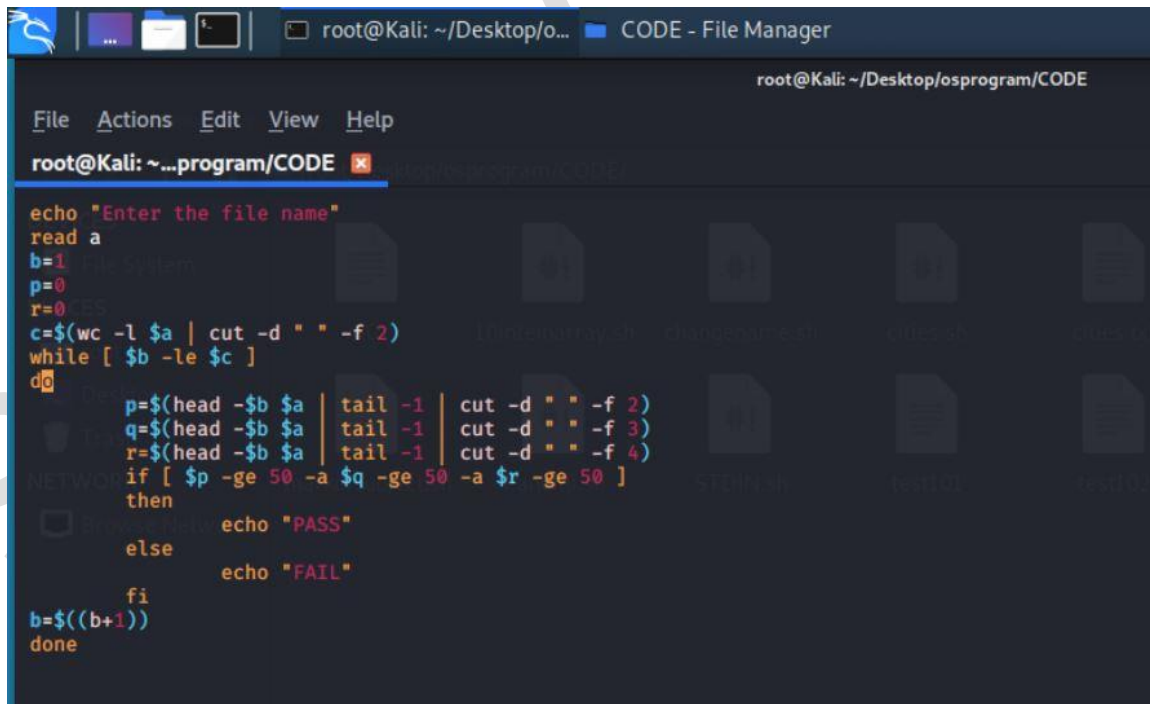
=====



```
root@Kali: ~/Desktop/osprogram/CODE
File Actions Edit View Help
root@Kali: ~...program/CODE x
student Maths English Science
A 86 81 92
B 87 97 99
C 97 92 90
D 85 83 99
E 90 98 81
```

CODE →

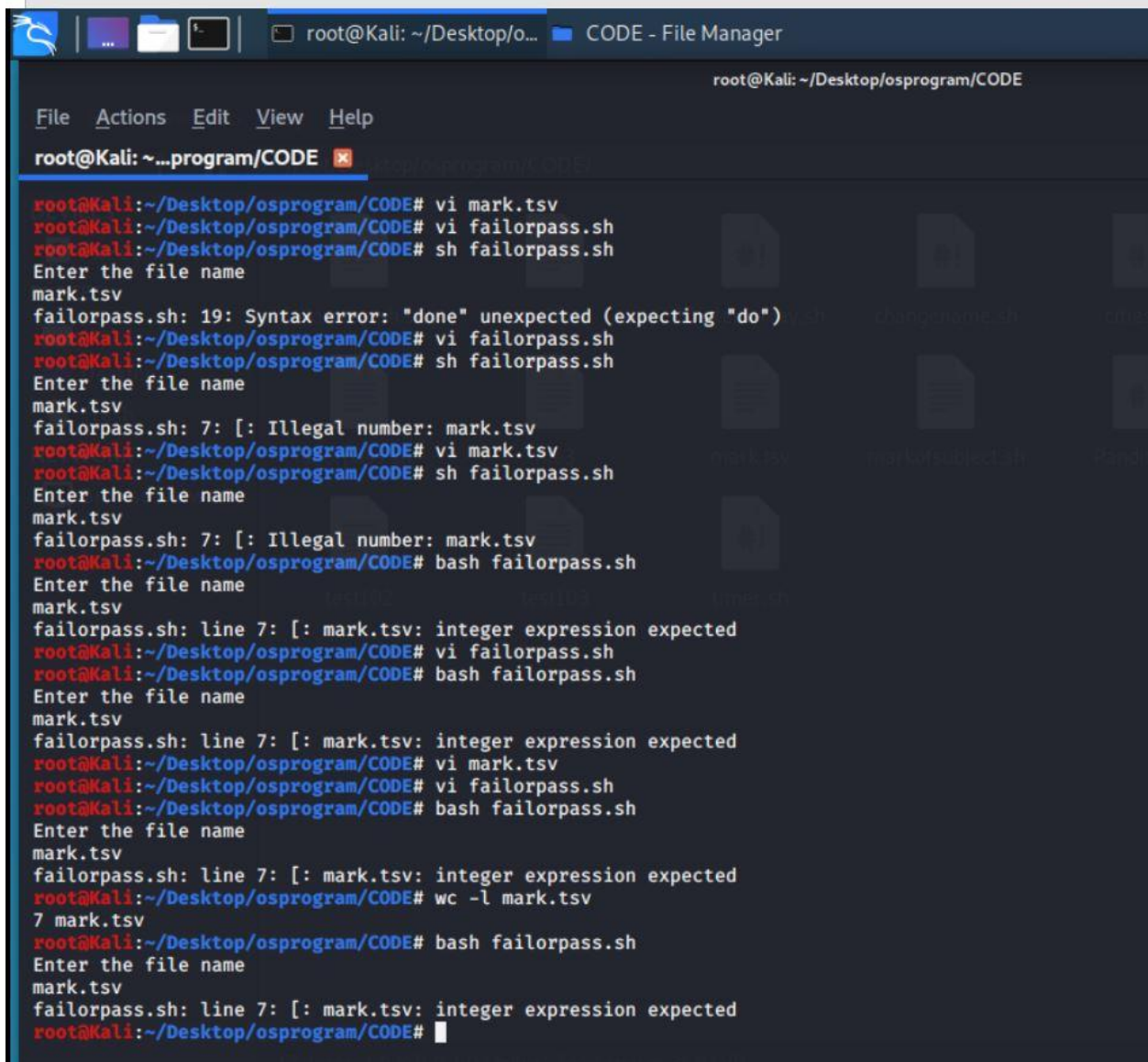
=====



```
root@Kali: ~/Desktop/osprogram/CODE
File Actions Edit View Help
root@Kali: ~...program/CODE x
echo "Enter the file name"
read a
b=1
p=0
r=0
c=$(wc -l $a | cut -d " " -f 2)
while [ $b -le $c ]
do
    p=$(head -n $b $a | tail -n 1 | cut -d " " -f 2)
    q=$(head -n $b $a | tail -n 1 | cut -d " " -f 3)
    r=$(head -n $b $a | tail -n 1 | cut -d " " -f 4)
    if [ $p -ge 50 -a $q -ge 50 -a $r -ge 50 ]
    then
        echo "PASS"
    else
        echo "FAIL"
    fi
    b=$((b+1))
done
```

OUTPUT➔

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```
root@Kali: ~/Desktop/osprogram/... CODE - File Manager
root@Kali: ~/Desktop/osprogram/CODE
File Actions Edit View Help
root@Kali: ~/...rogram/CODE x
root@Kali:~/Desktop/osprogram/CODE# vi mark.tsv
root@Kali:~/Desktop/osprogram/CODE# vi failorpass.sh
root@Kali:~/Desktop/osprogram/CODE# sh failorpass.sh
Enter the file name
mark.tsv
failorpass.sh: 19: Syntax error: "done" unexpected (expecting "do")
root@Kali:~/Desktop/osprogram/CODE# vi failorpass.sh
root@Kali:~/Desktop/osprogram/CODE# sh failorpass.sh
Enter the file name
mark.tsv
failorpass.sh: 7: [: Illegal number: mark.tsv
root@Kali:~/Desktop/osprogram/CODE# vi mark.tsv
root@Kali:~/Desktop/osprogram/CODE# sh failorpass.sh
Enter the file name
mark.tsv
failorpass.sh: 7: [: Illegal number: mark.tsv
root@Kali:~/Desktop/osprogram/CODE# bash failorpass.sh
Enter the file name
mark.tsv
failorpass.sh: line 7: [: mark.tsv: integer expression expected
root@Kali:~/Desktop/osprogram/CODE# vi failorpass.sh
root@Kali:~/Desktop/osprogram/CODE# bash failorpass.sh
Enter the file name
mark.tsv
failorpass.sh: line 7: [: mark.tsv: integer expression expected
root@Kali:~/Desktop/osprogram/CODE# vi mark.tsv
root@Kali:~/Desktop/osprogram/CODE# vi failorpass.sh
root@Kali:~/Desktop/osprogram/CODE# bash failorpass.sh
Enter the file name
mark.tsv
failorpass.sh: line 7: [: mark.tsv: integer expression expected
root@Kali:~/Desktop/osprogram/CODE# wc -l mark.tsv
7 mark.tsv
root@Kali:~/Desktop/osprogram/CODE# bash failorpass.sh
Enter the file name
mark.tsv
failorpass.sh: line 7: [: mark.tsv: integer expression expected
root@Kali:~/Desktop/osprogram/CODE#
```