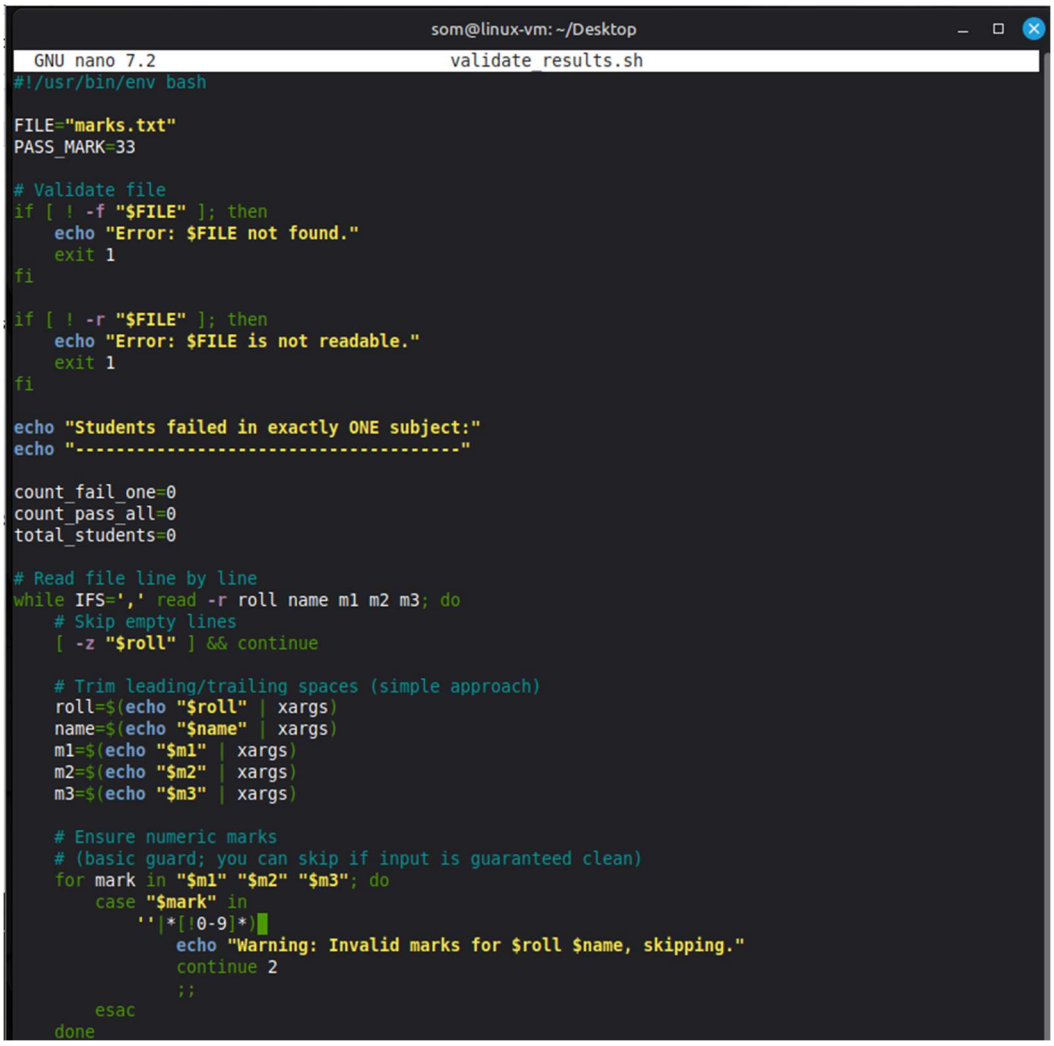
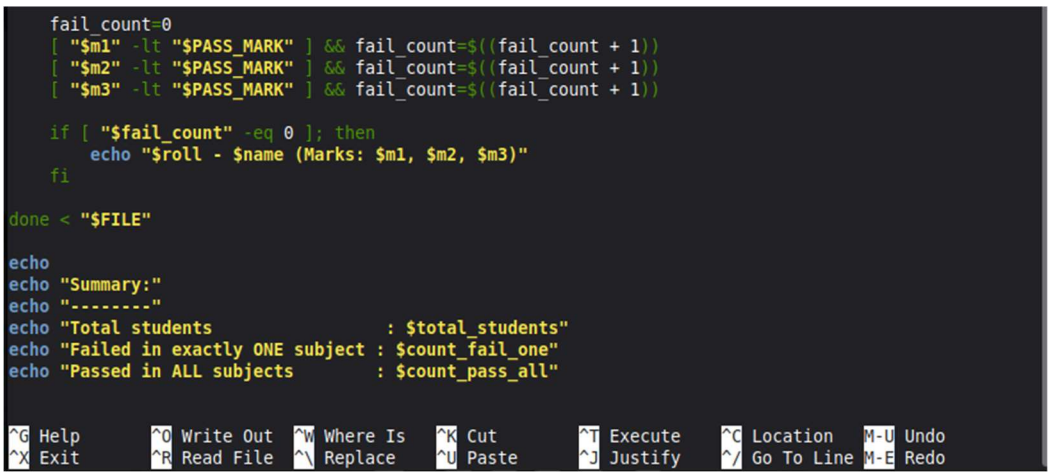
Question 3 (2024eb03003):

Please find screenshot of shell script below and attaching **validate_results.sh** script to GitHub repository:

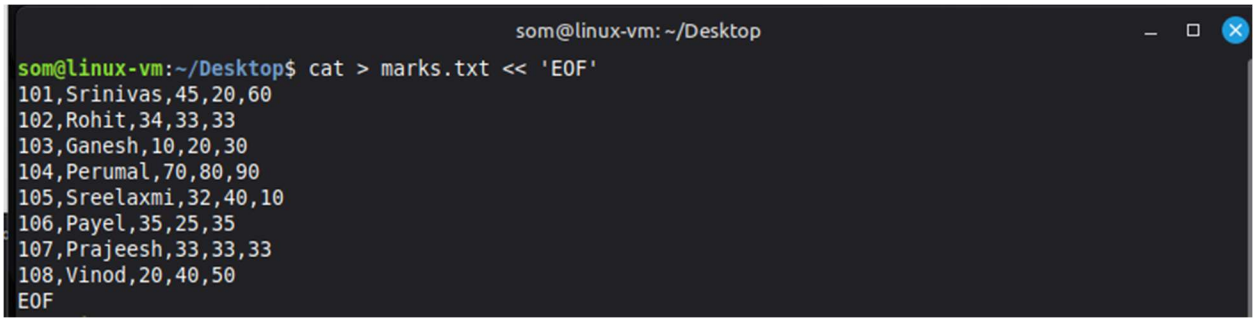




Testing the validate_results.sh Script

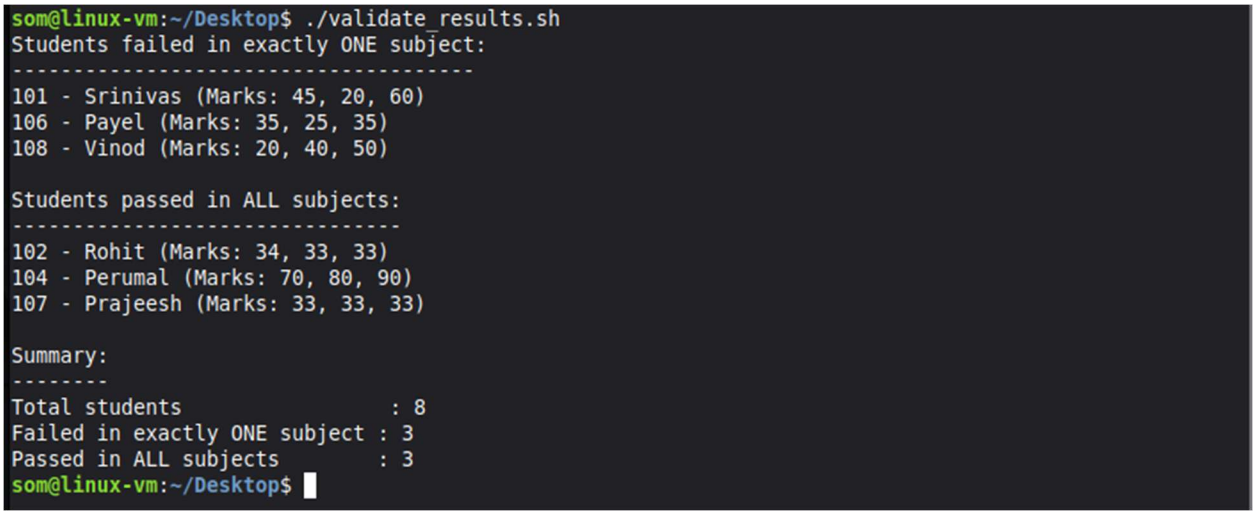
Create a file **marks.txt**

cat > marks.txt << 'EOF'
101,Srinivas,45,20,60
102,Rohit,34,33,33
103,Ganesh,10,20,30
104,Perumal,70,80,90
105,Sreelaxmi,32,40,10
106,Payel,35,25,35
107,Prajeesh,33,33,33
108,Vinod,20,40,50
EOF



Test Case 1: Normal operation

./validate_results.sh



Requirement validated:

Expected results from this data:

- Failed exactly ONE subject: (03)
  101,Srinivas,45,20,60
  106,Payel,35,25,35
  108,Vinod,20,40,50
- Passed ALL subjects: (03)
  102,Rohit,34,33,33
  104,Perumal,70,80,90
  107,Prajeesh,33,33,33
- Total students: (08)