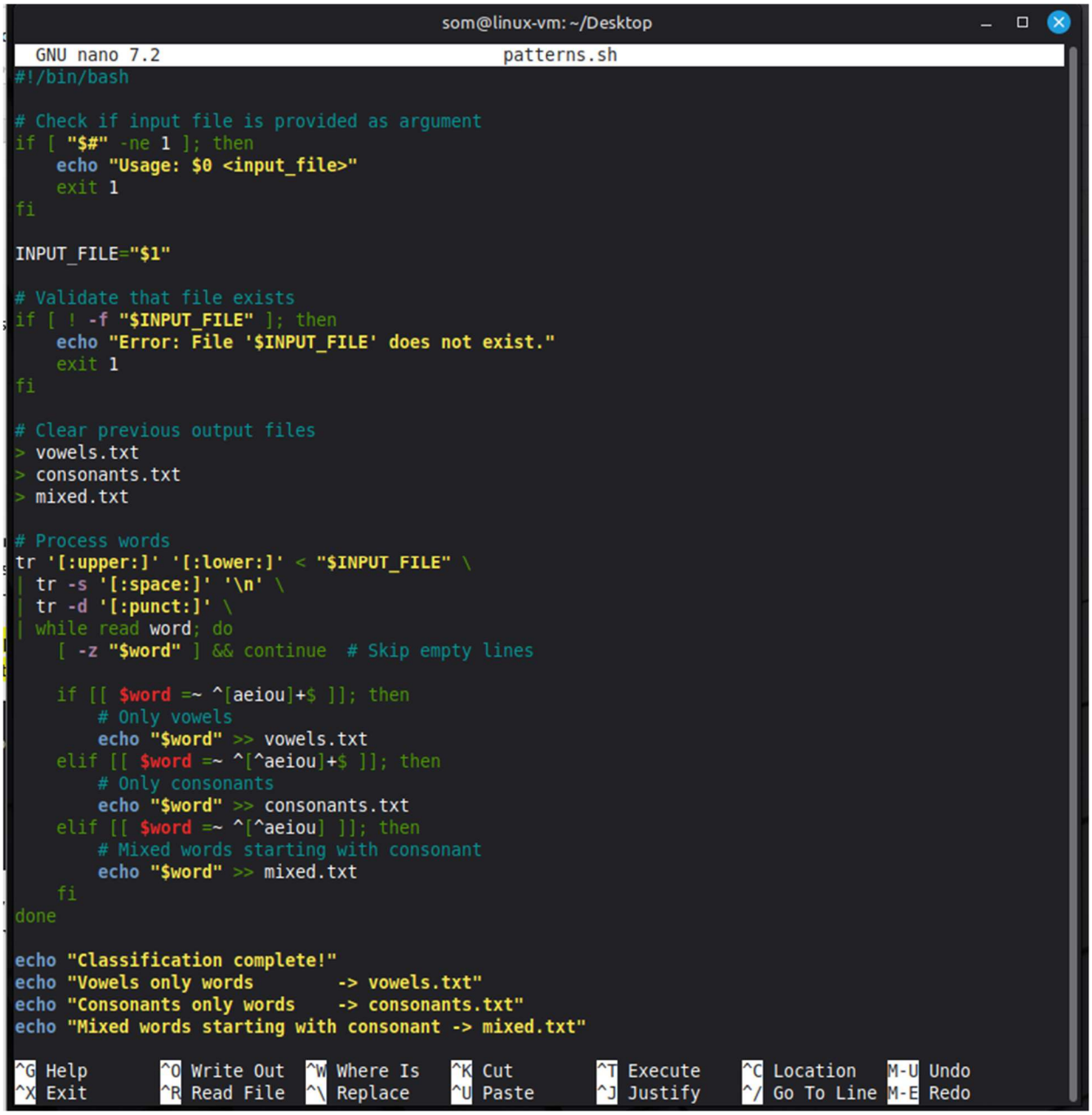
Question 7 (2024eb03003):

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



Testing the patterns.sh Script

Test Case:

Create **input.txt** with pure vowels ("aeiou"), pure consonants ("why"), and mixed words starting with consonants ("apple"), run ./patterns.sh to verify case-insensitive regex patterns correctly populate all 3 output files per requirements.

The **patterns.sh** script correctly categorizes words from **input.txt** into three files using case-insensitive regex patterns: pure vowels, pure consonants, and mixed words starting with consonants. All three output files populated accurately with expected counts, proving requirement fulfillment.