## UNIX TOOLS AND SHELL SCRIPTING LAB WEEK-3

**ROLL NO: 422108** 

SECTION:A

TITLE: Write shell script for searching for various patterns using grep, pr, head, tail, cut, paste, sort, uniq, and tr. CODE: #!/bin/bash # Define input file input file="example.txt" # Define patterns to search for patterns=("pattern1" "pattern2" "pattern3") # Search for patterns using grep for pattern in "\${patterns[@]}"; do echo "Search results for pattern: \$pattern" grep "\$pattern" "\$input file" echo "-----" done # Use pr to paginate the search results echo "Paginated search results using pr:" pr -t -e24 "\$input\_file" | head -n 50 | tail -n +2 # Use cut to extract specific columns echo "Extracting specific columns using cut:" cut -d',' -f1,3 "\$input\_file" # Use paste to merge columns echo "Merging columns using paste:" paste -d',' <(cut -d',' -f1 "\$input\_file") <(cut -d',' -f3 "\$input\_file") # Use sort and uniq to find unique lines echo "Unique lines using sort and uniq:" sort "\$input file" | uniq # Use tr to translate characters echo "Replacing characters using tr:"

## tr '[:lower:]' '[:upper:]' < "\$input\_file"

