

RPS DAY 6 Assignment

Assignment 6

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Batch - CPPE

Assignment 6: Given a sample log file, write a script using grep to extract all lines containing "ERROR". Use awk to print the date, time, and error message of each extracted line.

Data Processing with sed

```
-----g-----
bash myfile.txt ss1.sh sample.log
1 #!/bin/bash
2
3 # Define the log file
4 LOGFILE="sample.log"
5
6 # Use grep to extract lines containing "ERROR"
7 grep "ERROR" "$LOGFILE" | awk '
8 {
9     # Assuming the log format is: YYYY-MM-DD HH:MM:SS [ERROR] Error message
9     | date=$1
10    time=$2
11    # Combine the rest of the line for the error message
12    $1=$2=$3=""
13    error_message=$0
14
15    # Print date, time and error message
16    print date, time, error_message
17 }' | sed 's/^\\s*//;s/\\s*$//'
```

Assignment 7

7: Create a script that takes a text file and replaces all occurrences of "old_text" with "new_text". Use sed to perform this operation and output the result to a new file.

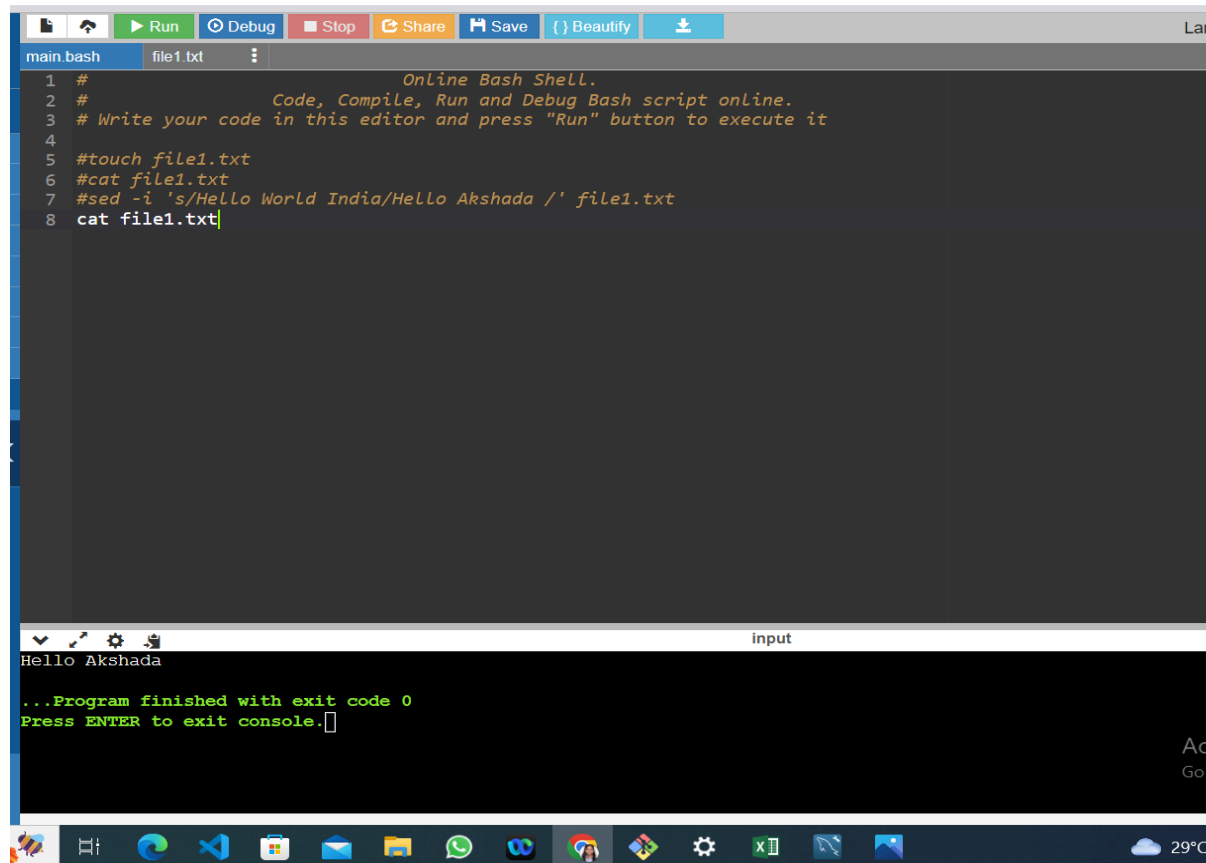
Steps:

`touch file1.txt` (Hello World India)

`cat file1.txt`

`sed -i 's/Hello World India/Hello Akshada /' file1.txt`

`cat file1.txt`



The screenshot shows an online bash shell interface with a toolbar at the top containing buttons for Run, Debug, Stop, Share, Save, Beautify, and a download icon. The main editor area displays a script with the following content:

```
1 # Online Bash Shell.
2 # Code, Compile, Run and Debug Bash script online.
3 # Write your code in this editor and press "Run" button to execute it
4
5 #touch file1.txt
6 #cat file1.txt
7 #sed -i 's/Hello World India/Hello Akshada /' file1.txt
8 cat file1.txt
```

Below the editor, the output of the script is shown in a console window. The first line is "Hello Akshada", which is the result of the `cat file1.txt` command after the `sed` operation. The console also displays the message "...Program finished with exit code 0" and "Press ENTER to exit console."