Operating System - Assignment 3

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Ques1:

Ques2:

Ques3:

Ques4:

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| DebmoMATN: /mmt/d/operating-sys/Assg3$ cat > problem4.sh
BProgram to search and replace a string in a file

echo "Enter filename:"
read file

8 Check if the file exists

if [[ ! -f "$file" ]]; then
echo "Error: File '$file' does not exist."
exit 1

fi

echo "Enter string to search:"
read search

8 Check if the file contains the search string
if ! grep -g "$search" "$file'; then
echo "Error: String '$search' "$file'; when
echo "Error: String '$search' "$file':"
exit 1

fi

echo "Enter replacement string:"
read replace

8 Replacing the string
sed -i "s/$search'sreplace/g" "$file"
cho "Seplacement done successfully."
bishbaltIn:/mmt/d/operating-sys/Assg3$ cat file1.txt
The difference between stundidty and genius is that genius has its limits.
bishbaltIn:/mmt/d/operating-sys/Assg3$ cat file1.txt
The contrast between string:
send replacement string:
Replacement done successfully,
lishbaltIn:/mmt/d/operating-sys/Assg3$ cat file1.txt
The contrast between stundidty and genius is that genius has its limits.
lishbaltIn:/mmt/d/operating-sys/Assg3$ cat file1.txt
The contrast between stundidty and genius is that genius has its limits.
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Ques5:

Ques6:

Ques7:

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jbisht@JATIN: /mnt/d/operati ×
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 jbisht@JATIN:/mnt/d/operating-sys/Assg3$ cat > problem7.sh
#Program to copy numbers from a file and save it to another after sorting
                                                                                                                                                                                                 jbisht@JATIN:/mnt/d/operating-sys/Assg3$ cat fileA.txt 45 12 78 3 89 23 56 ibisht@JATIN:/mnt/d/operating-sys/Assg3$ cat fileB.txt.
echo "Enter input file name:"
read input_file
# Check if input file exists
if [[ ! -f "$input_file" ]]; then
echo "Error: File '$input_file' does not exist."
exit 1
                                                                                                                                                                                                 56
jbisht@JATIN:/mnt/d/operating-sys/Assg3$ cat fileB.txt
jbisht@JATIN:/mnt/d/operating-sys/Assg3$ bash problem7.sh
Enter input file name:
fileA.txt
Enter output file name:
fileB.txt
Warning: File 'fileB.txt' already exists.
Do you want to overwrite it? (yes/no)
yes
Numbers sorted and saved to 'fileB.txt'.
jbisht@JATIN:/mnt/d/operating-sys/Assg3$ cat fileB.txt
3
echo "Enter output file name:"
read output_file
# Check if output file already exists
if [[ -f "$output_file" ]]; then
echo "Warning: File '$output_file' already exists."
echo "Do you want to overwrite it? (yes/no)"
read choice
choice=$(echo "$choice" | tr '[:upper:]' '[:lower:]')
    if [[ "$choice" != "yes" ]]; then echo "Operation canceled. The file will not be overwritten." exit \boldsymbol{\theta}
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jbisht@JATIN:/mnt/d/operating-sys/Assg3$ bash problem7.sh
Enter input file name:
fileA.txt
Enter output file name:
fileB.txt
Warning: File 'fileB.txt' already exists.
Do you want to overwrite it? (yes/no)
# Sort numbers from input file and save them to output file
sort -n "$input_file" > "$output_file"
 if [[ $? -eq 0 ]]; then
  echo "Numbers sorted and saved to '$output_file'."
 ecno "Numbers sorted and saved to 'soutput_+ile'
else
echo "Error: Failed to sort and save the file."
fi
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no
Operation canceled. The file will not be overwritten.
ibisht@JATIN:/mnt/d/operating-sys/Assg3$
    i
bisht@JATIN:/mnt/d/operating-sys/Assg3$
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Ques8:

Ques9:

Ques10: