

Assignment 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

Ans:

Script:

```
#!/bin/bash

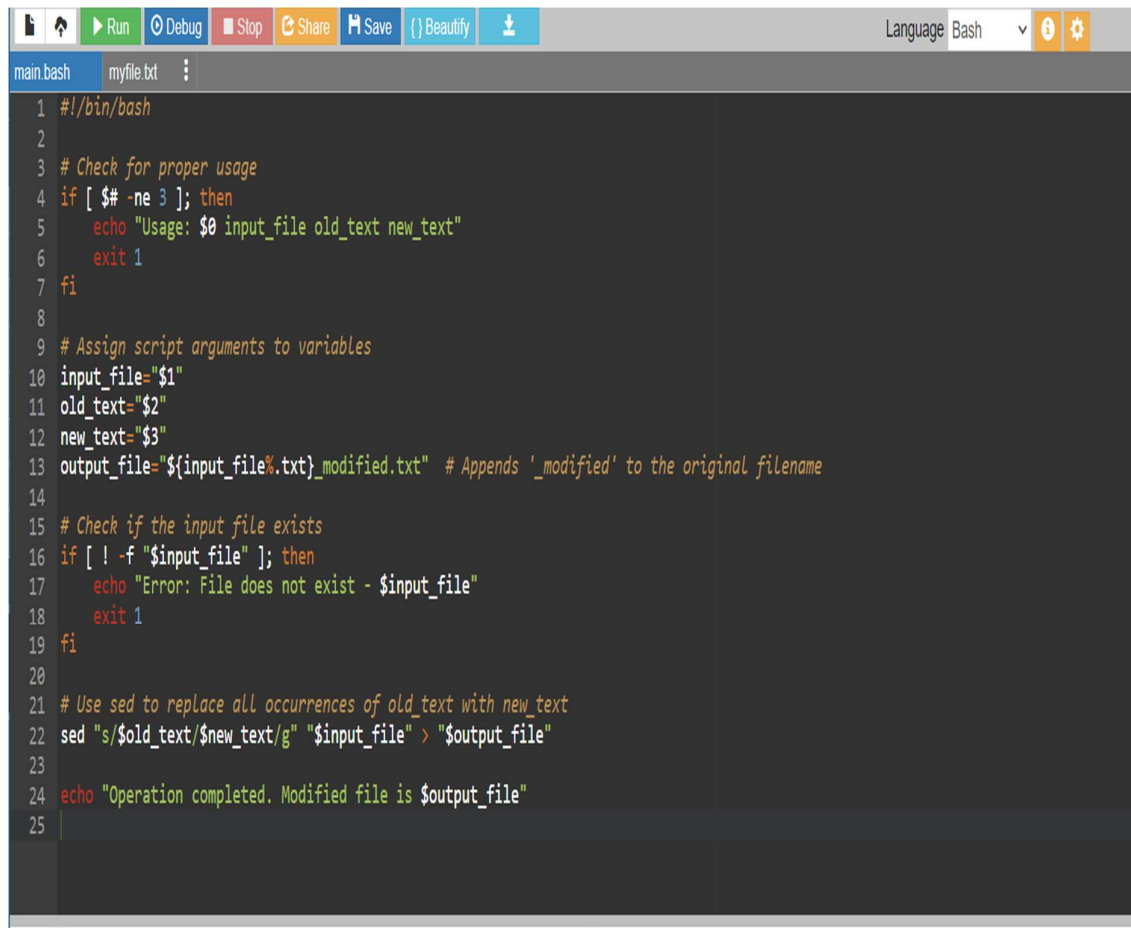
if [ $# -ne 3 ]; then
    echo "Usage: $0 input_file old_text new_text"
    exit 1
fi

input_file="$1"
old_text="$2"
new_text="$3"
output_file="${input_file%.txt}_modified.txt"

if [ ! -f "$input_file" ]; then
    echo "Error: File does not exist - $input_file"
    exit 1
fi

sed "s/$old_text/$new_text/g" "$input_file" > "$output_file"
echo "Operation completed. Modified file is $output_file"
```

Snapshots:



The image shows a screenshot of a code editor interface. At the top, there is a toolbar with icons for Run, Debug, Stop, Share, Save, Beautify, and a download icon. The language is set to Bash. The editor displays a Bash script with the following content:

```
1  #!/bin/bash
2
3  # Check for proper usage
4  if [ $# -ne 3 ]; then
5      echo "Usage: $0 input_file old_text new_text"
6      exit 1
7  fi
8
9  # Assign script arguments to variables
10 input_file="$1"
11 old_text="$2"
12 new_text="$3"
13 output_file="${input_file%.txt}_modified.txt" # Appends '_modified' to the original filename
14
15 # Check if the input file exists
16 if [ ! -f "$input_file" ]; then
17     echo "Error: File does not exist - $input_file"
18     exit 1
19 fi
20
21 # Use sed to replace all occurrences of old_text with new_text
22 sed "s/$old_text/$new_text/g" "$input_file" > "$output_file"
23
24 echo "Operation completed. Modified file is $output_file"
25
```