

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.

```
input="$1"

old="$2"

new="$3"

out="output_$(basename "$input")"

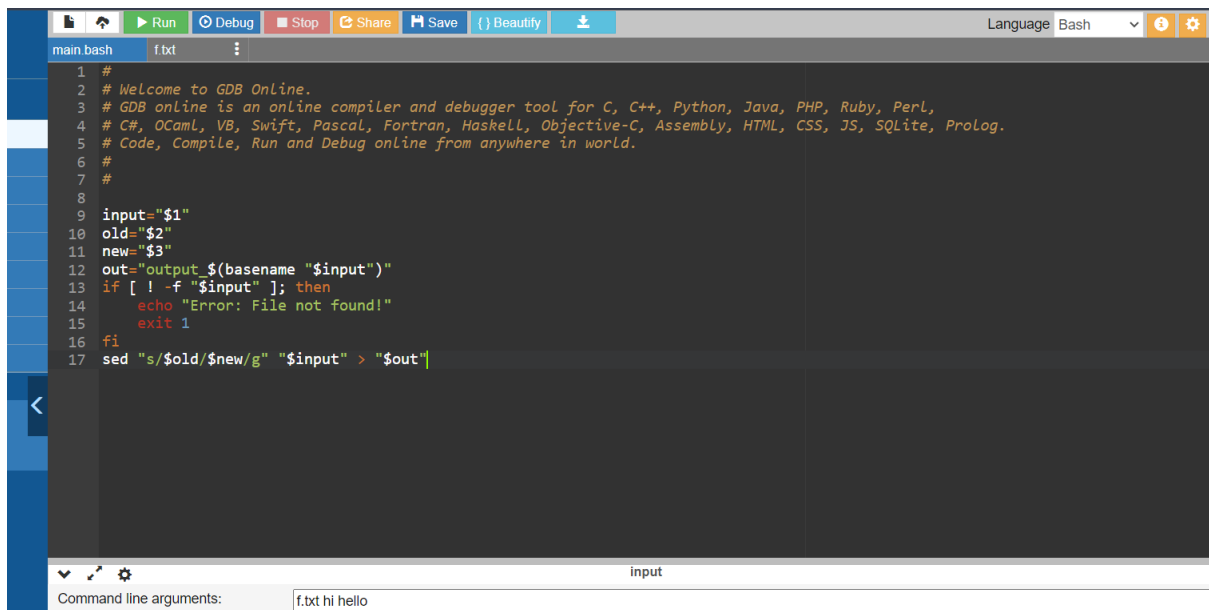
if [ ! -f "$input" ]; then

    echo "Error: File not found!"

    exit 1

fi

sed "s/$old/$new/g" "$input" > "$out"
```



The screenshot shows a web-based IDE interface for GDB Online. The top toolbar includes buttons for Run, Debug, Stop, Share, Save, Beautify, and Download. The main editor area displays a Bash script with the following content:

```
1 #
2 # Welcome to GDB Online.
3 # GDB online is an online compiler and debugger tool for C, C++, Python, Java, PHP, Ruby, Perl,
4 # C#, OCaml, VB, Swift, Pascal, Fortran, Haskell, Objective-C, Assembly, HTML, CSS, JS, SQLite, Prolog.
5 # Code, Compile, Run and Debug online from anywhere in world.
6 #
7 #
8 #
9 input="$1"
10 old="$2"
11 new="$3"
12 out="output_$(basename "$input")"
13 if [ ! -f "$input" ]; then
14     echo "Error: File not found!"
15     exit 1
16 fi
17 sed "s/$old/$new/g" "$input" > "$out"
```

At the bottom, the 'Command line arguments' section shows 'f.txt hi hello' as input, and the output area is labeled 'input'.

The image shows a web-based IDE interface for GDB Online. At the top, there is a toolbar with icons for file operations and buttons for 'Run', 'Debug', 'Stop', 'Share', 'Save', and 'Beautify'. Below the toolbar, a tab bar shows 'main.bash' as the active file, with 'f.txt' and 'output_f.txt' also visible. The main editor area contains a Bash script with the following content:

```
1 #
2 # Welcome to GDB Online.
3 # GDB online is an online compiler and debugger tool for
4 # C#, OCaml, VB, Swift, Pascal, Fortran, Haskell, Objective-C
5 # Code, Compile, Run and Debug online from anywhere in the world.
6 #
7 #
8 input="$1"
9 old="$2"
10 new="$3"
11 out="output_$(basename "$input")"
12 if [ ! -f "$input" ]; then
13     echo "Error: File not found!"
14     exit 1
15 fi
16 sed "s/$old/$new/g" "$input" > "$out"
17
```

Below the editor, there is a status bar with icons for view, zoom, settings, and a search icon. The output console at the bottom shows the result of the script execution:

```
...Program finished with exit code 0
Press ENTER to exit console.
```