

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.

```
#!/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="output_$(basename "$INPUT_FILE")"

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

sed "s/$OLD_TEXT/$NEW_TEXT/g" "$INPUT_FILE" > "$OUTPUT_FILE"

echo "Replacement complete. The output has been saved to '$OUTPUT_FILE'."
```