

## Assignment-7

# Create the sample input file

```
echo -e "This is the old_text that needs to be replaced with new_text.\nold_text is used  
multiple times: old_text, old_text, old_text." > input_file.txt
```

# Create the script

```
cat << 'EOF' > replace_text.sh
```

```
#!/bin/bash
```

# Check if the correct number of arguments are provided

```
if [ "$#" -ne 3 ]; then
```

```
    echo "Usage: $0 input_file old_text new_text"
```

```
    exit 1
```

```
fi
```

# Assign arguments to variables

```
INPUT_FILE=$1
```

```
OLD_TEXT=$2
```

```
NEW_TEXT=$3
```

```
OUTPUT_FILE="output_$(basename "$INPUT_FILE")"
```

# Check if the input file exists

```
if [ ! -f "$INPUT_FILE" ]; then
```

```
    echo "Input file not found: $INPUT_FILE"
```

```
    exit 1
```

```
fi
```

# Use sed to replace all occurrences of old\_text with new\_text and save to a new file

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

# Notify the user of the successful operation

```
echo "Replaced all occurrences of '$OLD_TEXT' with '$NEW_TEXT' in '$INPUT_FILE' and saved  
the result to '$OUTPUT_FILE'."
```

EOF

# Make the script executable

```
chmod +x replace_text.sh
```

# Run the script

```
./replace_text.sh input_file.txt old_text new_text
```

```
> Replaced all occurrences of 'old_text' with 'new_text' in 'input_file.txt' and saved the result  
to 'output_input_file.txt'.
```

# Display the output file

```
umashankar@DESKTOP-GEMHF8R:~$ cat output_input_file.txt
```

```
> This is the new_text that needs to be replaced with new_text.
```

```
new_text is used multiple times: new_text, new_text, new_text.
```