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Topic – Shell Script Assignment : 07

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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.

Solution :

Create a file :

```
VIKAS SRIVASTAVA@Vikas MINGW64 ~/OneDrive/Desktop/Assignment/ShellScript_Assignments (main)
$ cat Assignment_7.txt
I like apple.
Apple is my favourite fruit.
I eat an apple every day.
```

Code :

```
MINGW64:/c/Users/VIKAS SRIVASTAVA/OneDrive/Desktop/Assignment/ShellScript_Assignments

input_file="Assignment_7.txt"
old_text="apple"
new_text="orange"

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

output_file="${input_file%.txt}_modified.txt"

sed "s/$old_text/$new_text/g" "$input_file" > "$output_file"

echo "Replaced all occurrences of '$old_text' with '$new_text' in '$input_file'."
echo "The result has been saved to '$output_file'."
```

Output :

```
VIKAS SRIVASTAVA@Vikas MINGW64 ~/OneDrive/Desktop/Assignment/ShellScript_Assignments (main)
$ sh Assignment_7.sh
Replaced all occurrences of 'apple' with 'orange' in 'Assignment_7.txt'.
The result has been saved to 'Assignment_7_modified.txt'.
```

```
VIKAS SRIVASTAVA@Vikas MINGW64 ~/OneDrive/Desktop/Assignment/ShellScript_Assignments (main)
$ cat Assignment_7_modified.txt
I like orange.
Apple is my favourite fruit.
I eat an orange every day.
```