

# TASK 1

## Debugging Scripts :

Objective: Write a buggy shell script and use debugging to identify and fix the issue using the "set" and their options. Check which options is used in which scenario, document it with all the information. *task1\_assignment.sh*:

## Debugged File

```
1#!/bin/bash
2
3# Concatenate two strings with a space in between
4concatenate_strings() {
5    result="$1 $2"
6    echo $result
7}
8
9# Get user input
10echo "Enter the first string:"
11read string1
12
13echo "Enter the second string:"
14read string2
15
16# Call the function and display the result
17concatenated_result=$(concatenate_strings "$string1" "$string2")
18echo "Concatenated strings: $concatenated_result"
19
```

```
venis@venis-VirtualBox:~/DevOps$ bash task1_assignment4.sh
+ echo 'Enter the first string:'
Enter the first string:
+ read string1
hello
+ echo 'Enter the second string:'
Enter the second string:
+ read string2
hey
++ concatenate_strings hello hey
++ result='hello hey'
++ echo hello hey
+ concatenated_result='hello hey'
+ echo 'Concatenated strings: hello hey'
Concatenated strings: hello hey
```

## fixed Script:

*task1\_assignment4.sh*:

```
1 #!/bin/bash
2
3 # Enable debugging
4 set -x
5
6 # Concatenate two strings with a space in between
7 concatenate_strings() {
8     result="$1 $2"
9     echo $result
10 }
11
12 # Get user input
13 echo "Enter the first string:"
14 read string1
15
16 echo "Enter the second string:"
17 read string2
18
19 # Call the function and display the result
20 concatenated_result=$(concatenate_strings "$string1" "$string2")
21 echo "Concatenated strings: $concatenated_result"
```