



Run

Debug

Stop

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{ } Beautify

main.bash

Assignments.bash ⋮

```
1  #ASSIGNMENT-1
2
3  if [ -e "myfile.txt" ]; then
4      echo "File exists"
5  else
6      echo "File not found"
7  fi
```

8

9

10

11

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18



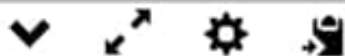
input

File not found

...Program finished with exit code 0

Press ENTER to exit console.

```
1 #ASSIGNMENT-2
2
3
4 echo "Enter numbers (enter '0' to exit):"
5 while true; do
6     read num
7     if [ "$num" -eq 0 ]; then
8         break
9     fi
10    if [ "$((num % 2))" -eq 0 ]; then
11        echo "$num is even"
12    else
13        echo "$num is odd"
14    fi
15 done
16
```



Enter numbers (enter '0' to exit):

5

5 is odd

2

2 is even

0

...Program finished with exit code 0

Press ENTER to exit console.

main.bash

Assignments.bash ⋮

file1.txt

⋮

file2.txt

⋮

```
1  #ASSIGNMENT-3
2
3
4
5  count_lines() {
6      filename="$1"
7      lines=$(wc -l < "$filename")
8      echo "Number of lines in $filename: $lines"
9  }
10
11  # Call the function with different filenames
12  count_lines "file1.txt"
13  count_lines "file2.txt"
14
15
16
```



inp

```
Number of lines in file1.txt: 1
Number of lines in file2.txt: 4
```

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

main.bash Assignments.bash :: file1.txt :: file2.txt :: TestDir/File1.txt :: TestDir/File10.txt :: TestDir/File2.txt :: TestDir/File3.txt ::

```
1 #ASSIGNMENT-4 :: :: :: :: ::
2
3 #!/bin/bash
4
5 # Create TestDir if it doesn't exist
6 if [ ! -d "TestDir" ]; then
7     mkdir "TestDir"
8 fi
9
10 # Create ten files inside TestDir
11 for ((i=1; i<=10; i++)); do
12     echo "File$i.txt" > "TestDir/File$i.txt"
13 done
14
15
16
```



input

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

```
1 #ASSIGNMENT-5
2
3 if [ "$1" == "--debug" ]; then
4     set -x
5 fi
6 if [ ! -d "TestDir" ]; then
7     mkdir "TestDir"
8 else
9     echo "Directory 'TestDir' already exists"
10    exit 1
11 fi
12 if [ $? -ne 0 ]; then
13     echo "Failed to create directory"
14     exit 1
15 fi
16 for ((i=1; i<=10; i++)); do
17     echo "File$i.txt" > "TestDir/File$i.txt"
18     if [ $? -ne 0 ]; then
19         echo "Failed to create File$i.txt"
20         exit 1
21     fi
22 done
23
```

main.bash

Assignments.bash :

file1.txt

:

sample.log

1 #ASSIGNMENT-6

:

:

2

3 grep "ERROR" sample.log

4 awk '{print \$1, \$2, \$NF}'

5

6

7

1

⋮

⋮

⋮

⋮

2

#ASSIGNMENT-7

3

4

5

sed 's/old_text/new_text/g' input.txt > output.txt

6

7