Assignment 2.   **V.SRUTHIKA**

08.05.2024

 Below is a **shell script** that reads numbers from the user until they enter '0' and prints whether each number is odd or even:

```
#!/bin/bash

echo "Enter numbers (enter 0 to exit):"
while true; do
    read number
    if [ "$number" -eq 0 ]; then
        break
    elif [ "$((number % 2))" -eq 0 ]; then
        echo "$number is even."

  else
        echo "$number is odd."
   Fi
```

Assignment 1:

```
#!/bin/bash

# Check if the file exists
if [ -f "myfile.txt" ]; then
    echo "File exists"
else
    echo "File not found"
fi
```

Assignment3:

```
#!/bin/bash

# Define a function to count lines in a file

Count_lines(){

    File=$1

    Num_lines=$(wc -l < "$file")

    Echo "Number of lines in $file: $num_lines"
```

```
    Echo "Data in $file:"

    While read -r line; do

        Echo "$line"

    Done < "$file"

}


# call the function with different file names

Count_lines "userinput.sh"

Count_lines "ifdemo1.sh"

Countlines "variable.sh"
```