Assignment 3: Create a function that takes a filename as an argument and prints the number of lines in the file. Call this function from your script with different filenames.

```
#!/bin/bash

# Function to count the number of lines in a file
count_lines() {
  local filename="$1"
  if [ ! -f "$filename" ]; then
          echo "File '$filename' not found!"
          return 1
  fi

  local line_count
  line_count=$(wc -l < "$filename")
  echo "The file '$filename' has $line_count lines."
}

# Main script logic
while true; do
  read -p "Enter a filename (or 'exit' to quit): " filename

  if [ "$filename" == "exit" ]; then
          echo "Exiting..."
          break
  fi

  count_lines "$filename"
done
```

Output

```
rps@rps-virtual-machine:~/Desktop/Wipro assignments/Day 8/Assignment 3$ chmod 777
numberoflines.sh
rps@rps-virtual-machine:~/Desktop/Wipro assignments/Day 8/Assignment 3$
./numberoflines.sh
Enter a filename (or 'exit' to quit): file1.txt
The file 'file1.txt' has 2 lines.
Enter a filename (or 'exit' to quit): file2.txt
The file 'file2.txt' has 2 lines.
Enter a filename (or 'exit' to quit): file3.txt
File 'file3.txt' not found!
Enter a filename (or 'exit' to quit): exit
Exiting...
```