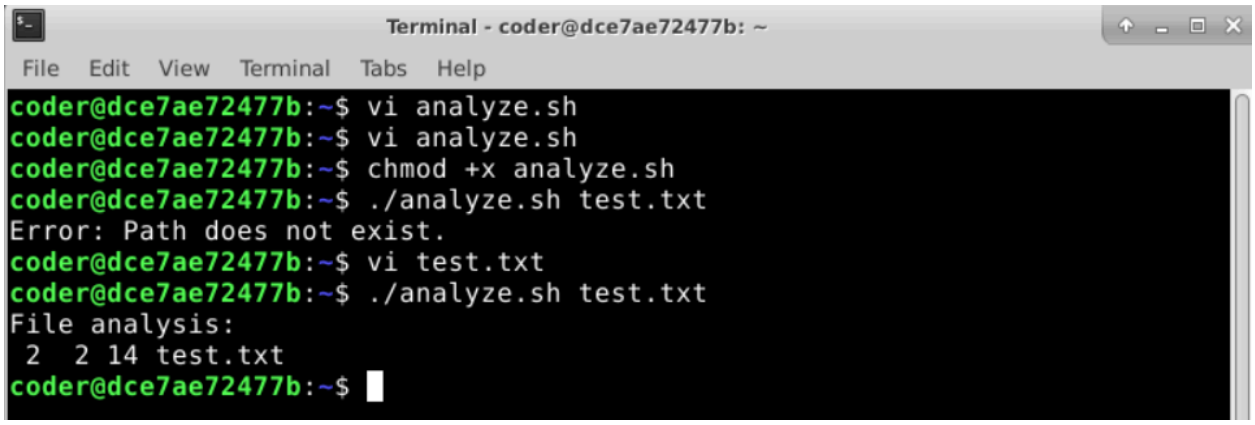
# QUESTION 1 ANSWERS




```
#!/bin/bash

if [ $# -ne 1 ]; then
        echo "Error: Exctly one argument required."
        exit 1
fi

path=$1

if [ ! -e "$path" ]; then
        echo "Error: Path does not exist."
        exit 1
fi

if [ -f "$path" ]; then
        echo "File analysis:"
        wc "$path"

elif [ -d "$path" ]; then
        echo "Directory analysis:"
        echo "Total files: $(find "$path" -type f | wc -l)"
        echo ".txt files: $(find "$path" -type f -name "*.txt" | wc -l)"
else
        echo "Error:Invalid path type."
fi



"analyze.sh" 46L, 477C                                1,8           Top
```

I created a shell script that accepts exactly one command-line argument and checks whether it is a file or a directory. For a file, the script displays the number of lines, words, and characters using `wc`. For a directory, it counts total files and `.txt` files using `ls` and `grep`, and prints appropriate error messages for invalid inputs.