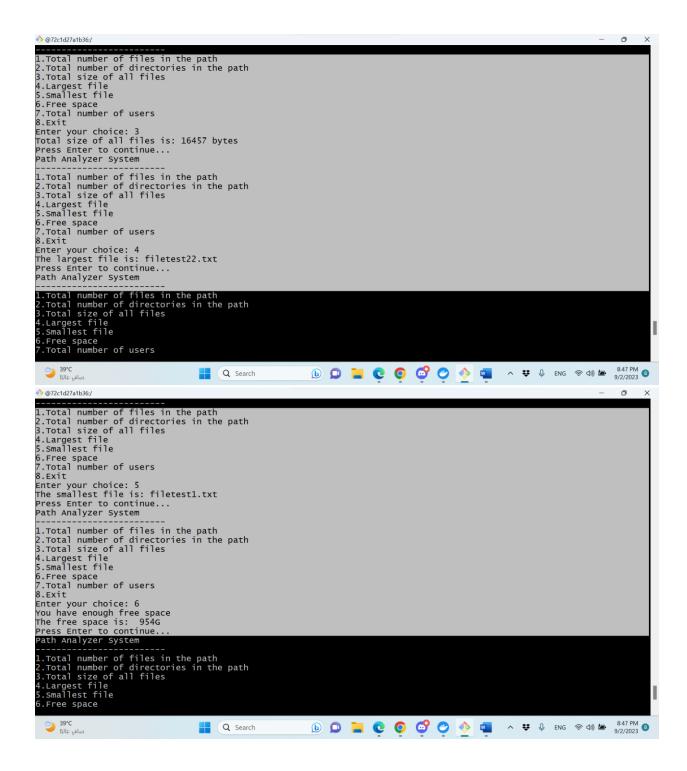
Path Analyzer System:

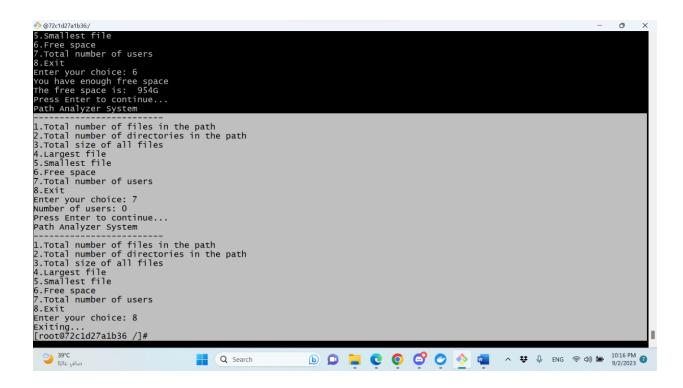
Screenshots of the script file path.sh

```
ead -p "Pleas enter the path: " path
while [[ ! -d "$path" ]]; do
          read -p "Please enter a valid path: " path
 hile true; do
          echo "Path Analyzer System"
echo "1.Total number of files in the path"
echo "2.Total number of directories in the path"
echo "3.Total size of all files"
echo "4.Largest file"
echo "5.smallest file"
echo "6.Free space"
echo "7.Total number of users"
echo "8.Exit"
read -p "Enter your choice: " choice
    case $choice in
    1)
                file_count=$(ls -p "$path" | grep -v / | wc -l)
echo "Total number of files is: $file_count"
                directory_count=$(1s -p "$path" | grep / | wc -1)
                                                                                                                                                                  Top
 39°C صافي غالبًا
                                                                          Q Search
@72c1d27a1b36:/
                file_count=$(1s -p "$path" | grep -v / | wc -l)
echo "Total number of files is: $file_count"
                directory_count=$(ls -p "$path" | grep / | wc -l)
echo "Total number of directories is: $directory_count"
                total_size=$(du -sb "$path" | cut -f1)
echo "Total size of all files is: $total_size bytes"
                largest_file=$(ls -ps "$path" | grep -v / | head -1)
echo "The largest file is: $largest_file"
                \begin{tabular}{ll} smallest\_file=$(ls -ps "$path" | grep -v / | tail -1) \\ echo "The smallest file is: $smallest\_file" \\ \end{tabular}
                53,12
                                                                          39°C صافي غالبًا
                                            Q Search
```

• Screenshots of the script output:

```
Porced 2 rate 2 rate 2 rate 3 rate 3
```





If the user entered an invalid path:

