

```

#!/bin/bash

# File Organizer Script

# author: Akash chandran

# the way to run is ./file_organizer.sh <path>

# This script organizes files in a specified directory by moving them into
subdirectories based on their file extensions.


if [ "-z" "$1" ]; then
    echo "dir not provided"
    exit 1
fi

DIR_PATH=$1

read -p "Do you want to organize files in $DIR_PATH? (y/n): " answer
if [[ $answer != "y" ]]; then
    echo "Exiting..."
    exit 0
fi

read -p "Enter the file extension to organize: " extension
mkdir -p "$DIR_PATH/organized/$extension"

count=0
for File in "$DIR_PATH"/*. "$extension"; do
    if [ -f "$File" ]; then
        mv "$File" "$DIR_PATH/organized/$extension"
        echo "Moved $File to $DIR_PATH/organized/$extension"
        ((count++))
    fi
done

echo "Total files moved: $count"

```

MINGW64:/c/Users/290397/Desktop/mocktest/oraganized/sh

```
USTR+290397@5PTS353 MINGW64 ~/Desktop
$ chmod +x file_organizer.sh
```

```
USTR+290397@5PTS353 MINGW64 ~/Desktop
$ mkdir mocktest
```

```
USTR+290397@5PTS353 MINGW64 ~/Desktop
$ cd mocktest/
```

```
USTR+290397@5PTS353 MINGW64 ~/Desktop/mocktest
$ touch readme.txt notes.txt todo.txt
```

```
USTR+290397@5PTS353 MINGW64 ~/Desktop/mocktest
$ ls
```

```
notes.txt  readme.txt  todo.txt
```

```
USTR+290397@5PTS353 MINGW64 ~/Desktop/mocktest
$ touch install.sh setup.sh deploy.sh
```

```
USTR+290397@5PTS353 MINGW64 ~/Desktop/mocktest
$ touch error.log access.log debug.log
```

```
USTR+290397@5PTS353 MINGW64 ~/Desktop/mocktest
$ ls
```

```
access.log  deploy.sh  install.sh  readme.txt  todo.txt
debug.log   error.log  notes.txt   setup.sh
```

```
USTR+290397@5PTS353 MINGW64 ~/Desktop/mocktest
$ touch data.csv report.pdf result.csv summary.pdf
```

```
USTR+290397@5PTS353 MINGW64 ~/Desktop/mocktest
$ ls
```

```
access.log  deploy.sh  notes.txt  result.csv  todo.txt
data.csv    error.log  readme.txt setup.sh
debug.log   install.sh report.pdf summary.pdf
```

```
USTR+290397@5PTS353 MINGW64 ~/Desktop/mocktest
$ ls -l
```

```
access.log
data.csv
debug.log
deploy.sh
error.log
install.sh
notes.txt
readme.txt
report.pdf
result.csv
setup.sh
summary.pdf
todo.txt
```

```

USTR+290397@5PTS353 MINGW64 ~/Desktop
$ sh ./file_organizer.sh /c/Users/290397/Desktop/mocktest
Do you want to organize files in /c/Users/290397/Desktop/mocktest? (y/n): y
Enter the file extension to organize: sh
Moved /c/Users/290397/Desktop/mocktest/deploy.sh to /c/Users/290397/Desktop/mock
test/oraganized/sh
Moved /c/Users/290397/Desktop/mocktest/install.sh to /c/Users/290397/Desktop/moc
ktest/oraganized/sh
Moved /c/Users/290397/Desktop/mocktest/setup.sh to /c/Users/290397/Desktop/mockt
est/oraganized/sh
Total files moved: 3

USTR+290397@5PTS353 MINGW64 ~/Desktop
$ ls
'Git Bash.lnk'*      Python/      desktop.ini      mocktest/
'GitHub Desktop.lnk'*  Shellscript/  file_organizer.sh*

USTR+290397@5PTS353 MINGW64 ~/Desktop
$ cd mocktest/

USTR+290397@5PTS353 MINGW64 ~/Desktop/mocktest
$ ls
access.log  debug.log  notes.txt  readme.txt  result.csv  todo.txt
data.csv    error.log  oraganized/  report.pdf  summary.pdf

USTR+290397@5PTS353 MINGW64 ~/Desktop/mocktest
$ cd oraganized/

USTR+290397@5PTS353 MINGW64 ~/Desktop/mocktest/oraganized
$ ls
sh/

USTR+290397@5PTS353 MINGW64 ~/Desktop/mocktest/oraganized
$ cd sh

USTR+290397@5PTS353 MINGW64 ~/Desktop/mocktest/oraganized/sh
$ ls
deploy.sh  install.sh  setup.sh

```