Shell scripting q1

```
master@mastervm:~/devops-commontrack-mocktest$ mkdir -p question1
master@mastervm:~/devops-commontrack-mocktest$ cd question1
```

creating the files

```
master@mastervm:~/devops-commontrack-mocktest/question1$ touch readme.txt notes.txt todo.txt
master@mastervm:~/devops-commontrack-mocktest/question1$ touch install.sh setup.sh deploy.sh
master@mastervm:~/devops-commontrack-mocktest/question1$ touch error.log access.log debug.log
master@mastervm:~/devops-commontrack-mocktest/question1$ touch data.csv report.pdf results.csv summary.pdf
```

Creating fileorganizer and giving permissions

```
master@mastervm:~/devops-commontrack-mocktest/question1$ nano fileorganizer.sh
master@mastervm:~/devops-commontrack-mocktest/question1$ chmod +x fileorganizer.sh
```

Fileorganizer.sh

```bash
GNU nano 7.2                                    anizer.sh *
#!/bin/bash

if [ -z "$1" ]; then
    echo "Usage: $0 <directory-path>"
    exit 1
fi

DIR="$1"

if [ ! -d "$DIR" ]; then
    echo "Error: Directory '$DIR' does not exist."
    exit 1
fi

read -p "Enter file extension to organize (e.g., txt, sh, log): " EXT

TARGET_DIR="$DIR/organized/$EXT"
mkdir -p "$TARGET_DIR"

COUNT=0

for FILE in "$DIR"/*.$EXT; do
    if [ -f "$FILE" ]; then
        BASENAME=$(basename "$FILE")
        mv "$FILE" "$TARGET_DIR/"
        echo "Moved: $FILE → $TARGET_DIR/"
        ((COUNT++))
    fi
done

echo "Total files moved: $COUNT"
```

listing the files

```
master@mastervm:~/devops-commontrack-mocktest/question1$ ls -l
total 4
-rw-rw-r-- 1 master master   0 Apr 11 13:27 access.log
-rw-rw-r-- 1 master master   0 Apr 11 13:27 data.csv
-rw-rw-r-- 1 master master   0 Apr 11 13:27 debug.log
-rw-rw-r-- 1 master master   0 Apr 11 13:26 deploy.sh
-rw-rw-r-- 1 master master   0 Apr 11 13:27 error.log
-rwxrwxr-x 1 master master 796 Apr 11 13:24 fileorganizer.sh
-rw-rw-r-- 1 master master   0 Apr 11 13:26 install.sh
-rw-rw-r-- 1 master master   0 Apr 11 13:26 notes.txt
-rw-rw-r-- 1 master master   0 Apr 11 13:26 readme.txt
-rw-rw-r-- 1 master master   0 Apr 11 13:27 report.pdf
-rw-rw-r-- 1 master master   0 Apr 11 13:27 results.csv
-rw-rw-r-- 1 master master   0 Apr 11 13:26 setup.sh
-rw-rw-r-- 1 master master   0 Apr 11 13:27 summary.pdf
-rw-rw-r-- 1 master master   0 Apr 11 13:26 todo.txt
```

running the fileorganizer.sh

```
master@mastervm:~/devops-commontrack-mocktest/question1$ ./fileorganizer.sh .
Enter file extension to organize (e.g., txt, sh, log): sh
Moved: ./deploy.sh → ./organized/sh/
Moved: ./fileorganizer.sh → ./organized/sh/
Moved: ./install.sh → ./organized/sh/
Moved: ./setup.sh → ./organized/sh/
Total files moved: 4
```