

```
#!/bin/bash

#Author: Devanarayanan T M

#Date: 90-04-25

#Pourpose: Organize files in a directory based on their extension
```

```
#Checking the user give any directory path
```

```
if [ -z $1 ]
```

```
then
```

```
    echo "Give the directory path."
```

```
    exit 1
```

```
fi
```

```
#Read which file extension from the user
```

```
echo "Enter an file extension to organize files (e.g. .txt)"
```

```
read extension
```

```
ext=$extension
```

```
DIR=$1
```

```
org=organized
```

```
count=0
```

```
#Creating a dir for the organized files
```

```
mkdir -p "$DIR/$org/$ext"
```

```
for file in "$DIR"/*
```

```
do
```

```
    #Checking if the file has the given extension
```

```
    if [[ $file == *$ext ]]
```

```
    then
```

```
        #Moving the file to the organized directory
```

```
mv "$file" "$DIR/$org/$ext/"

echo "Moved $file to $DIR/$org/$ext"

count=$((count + 1))

fi

done

echo "$count This no of files moved to $DIR/$org/$ext"
```

```
● $ ./q1.sh test
Enter an file extension to organize files (e.g. .txt)
txt
Moved test/t1.txt to test/organized/txt
Moved test/t2.txt to test/organized/txt
2 This no of files moved to test/organized/txt
```

```
● $ ./q1.sh test
Enter an file extension to organize files (e.g. .txt)
log
Moved test/s1.log to test/organized/log
Moved test/s2.log to test/organized/log
2 This no of files moved to test/organized/log
```