

# Re: Learning Bash Questions: the MV command

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  - *Date:* Tue, 28 Feb 2006 08:02:09 +0000
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On Tue, 2006-02-28 at 09:26 +0200, Dotan Cohen wrote:

I am trying to learn as I go with bash on a FC4 install. I need to do two things that are confounding me:

1) I need to move all the photos from a huge, complex tree to one big directory. Easy:

```
$ find . -name "*.jpg" -exec mv '{}' /home/dotancohen/big_directory \;
```

However, there are a few photos that have duplicate file names in different directories. In this case, it overwrites. That is bad! I tried adding the `-i` flag to prompt me, but it takes the next 'mv' as a response to the prompt, and the next 'mv' fails. Is there a way to have it not fail the next mv, yet not overwrite? Or better yet, in the case of duplicate file names, to append something to the end of the file name, so that it will not be duplicate? Of course, if `_that_` file name is taken, it should append something else, etc. Is this too complex for Bash?

```
find . -name "*.jpg" -exec mv --backup=numbered \
'{' /home/dotancohen/big_directory \;
```

2) I will then be left with a huge tree with mostly empty directories. I need to remove the empty directories, but leave those in place that do contain files. Is there a way to check if a directory is populated before 'rm'ing it? If the directory contains another directory that `_is_` empty, then of course they should both be deleted. Er, is this possible?

```
find . -depth -mindepth 1 -type d \
-exec rmdir --ignore-fail-on-non-empty '{}';
```

Paul.

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