File searching in a directory hierarchy.

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find directory [expression]

 The find utility recursively descends the directory hierarchy for each path seeking files that match a Boolean expression.

- Parts of expression can be
 - grouped by \ (and \),
 - negated with \!,
 - separated by logical and -a (default), logical or -o.



Actions

```
-print Always true. Causes the current pathname to be printed.

-exec cmd {} \; True if the executed command returns a zero value as exit status.

-ok cmd {} \; Like -exec, but it requires confirmation.

-1s Always true. Prints current pathname together with statistics.
```

Predicates



Examples:

```
find $HOME
find $HOME -type f
find /bin -type f -name at
find /usr/bin -type f -name '*grep'
find . -atime -1
find . -name [A-Z] * [
find . \! -name [A-Z] * [
```

Examples:

```
find . -name 'f*' -print
find . -name 's*' -print
find . \( -name 'f*' -o -name 's*' \) -print
find . \! \( -name 'f*' -o -name 's*' \) -print
find . -print -name 'f*' -print
find . -name core -ok rm { } \;
find . -name core -exec rm { } \;
```



Examples:

```
mkdir ~/sources
find ~ -type f -name "*.c" | \
xargs -I { } -t mv { } ~/sources/
```