

# Grep Command in Linux and Unix

The grep command can **search for a string in groups of files**. When it finds a pattern that matches in more than one file, it prints the name of the file, followed by a colon, then the line matching the pattern.

## Syntax:

```
grep [options] pattern [files]
```

## Options Description

1. **-c** : This prints only a count of the lines that match a pattern

```
pushkar_sharma@Pushkar:~$ grep -c employee demo.txt
4
pushkar_sharma@Pushkar:~$ ^C
pushkar_sharma@Pushkar:~$ ^C
pushkar_sharma@Pushkar:~$
```

2. **fgrep -h** : Display the matched lines, but do not display the filenames.

```
pushkar_sharma@Pushkar:~$ fgrep -h "A" demo.txt
A      B      C      D
Anuj sihaniya manager 5000
pushkar_sharma@Pushkar:~$
```

3. **-i** : Ignores, case for matching

```
pushkar_sharma@Pushkar:~$ grep -i EMPLOYEE demo.txt
yash kumar    employee    5000
tushar sharma employee    5000
aditya kumar  employee    5000
pushkar sharma employee    5000
pushkar_sharma@Pushkar:~$
```

4. **-l** : Displays list of filenames only.

```
pushkar_sharma@Pushkar:~$  
pushkar_sharma@Pushkar:~$ grep -l game *  
grep: assignment-1: Is a directory  
grep: Desktop: Is a directory  
grep: Documents: Is a directory  
grep: Downloads: Is a directory  
grep: game: Is a directory  
grep: Music: Is a directory  
grep: Pictures: Is a directory  
grep: portfolio: Is a directory  
grep: Public: Is a directory
```

5.-n : Display the matched lines and their line numbers.

```
pushkar_sharma@Pushkar:~$ grep -n manager demo.txt  
2:Anuj sihaniya manager 5000  
3:vaibhav sharma manager 5000  
pushkar_sharma@Pushkar:~$ ^C  
pushkar_sharma@Pushkar:~$ ^C  
pushkar_sharma@Pushkar:~$
```

6.-v : This prints out all the lines that do not matches the pattern

```
pushkar_sharma@Pushkar:~$ grep -v Anuj demo.txt  
A      B      C      D  
vaibhav sharma manager 5000  
yash kumar employee 5000  
tushar sharma employee 5000  
aditya kumar employee 5000  
pushkar sharma employee 5000  
pushkar_sharma@Pushkar:~$
```

7. **egrep** : Displays list of directory and filenames .

```
pushkar_sharma@Pushkar:~$ egrep "pushkar" *
grep: assignment-1: Is a directory
demo.txt:pushkar sharma employee 5000
grep: Desktop: Is a directory
grep: Documents: Is a directory
grep: Downloads: Is a directory
grep: game: Is a directory
grep: Music: Is a directory
grep: Pictures: Is a directory
grep: portfolio: Is a directory
grep: Public: Is a directory
grep: pushkar-12-sharma: Is a directory
grep: snap: Is a directory
grep: Templates: Is a directory
grep: test-pushkar: Is a directory
grep: Videos: Is a directory
pushkar_sharma@Pushkar:~$
```