GREP

Globally search for
Regular
Expression and
Print out

By-

Mihir Vikram Jain(18110100)
Priyam Tongia(18110129)

Start working on the code of new project
So many files!!! This will take ages to understand the execution flow....
Main Directory
Sub-1
GREP ???
Why don't you use GREP!!!
Main Directory
Sub-1

What's GREP???

GREP is a command line tool for searching plain-text data for strings which match a given regular expression.

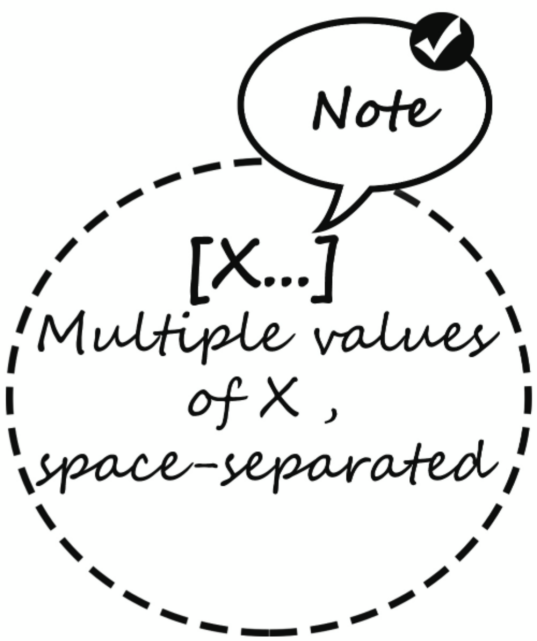
Basic Syntax : grep [OPTION...] PATTERNS [FILE...]

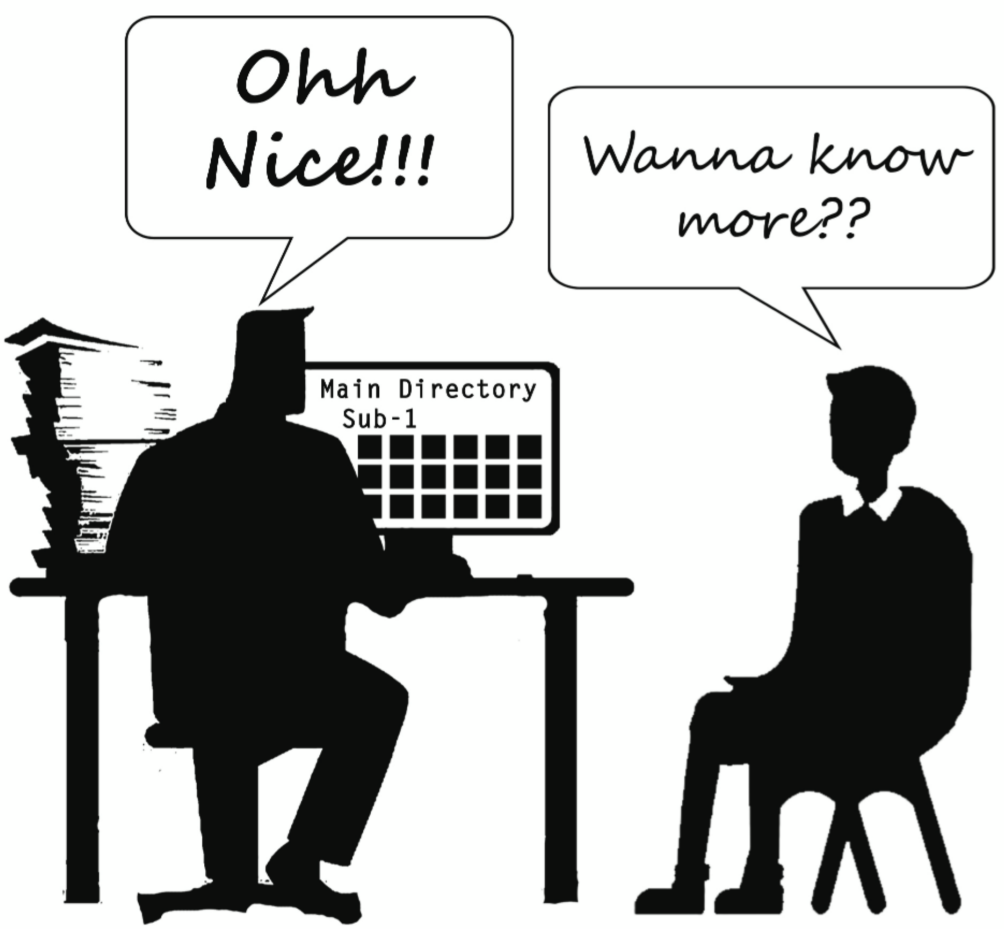
Greptest.txt

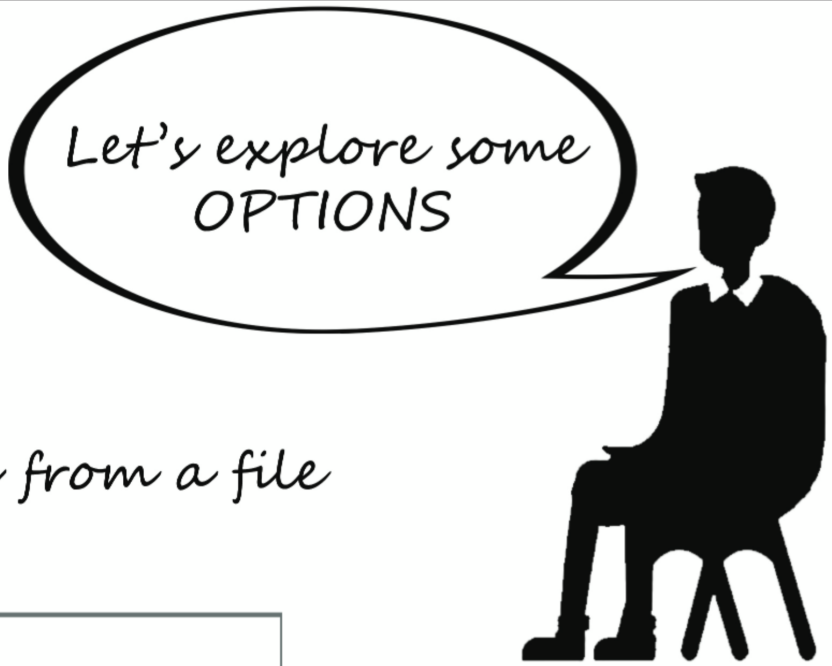
OS is great. It is offered in IITGn under the guidance of Prof. Nipun Batra. OS comes under the systems part of IITGn's CSE curriculum.
Everyone should try to experience it once in his/her life.

$ grep "OS" Greptest.txt

Output: ***OS*** is great. It is offered in IITGn under the guidance of Prof. Nipun Batra. ***OS*** comes under the systems part of IITGn's CSE curriculum.







-f Grabs patterns from a file line-by-line.

Greptest.txt

Patterns.txt

OS
IITGn
is

File containing list of patterns

```
$ grep -f Patterns.txt Greptest.txt
```

Output: ***OS is*** great. It ***is*** offered in ***IITGn*** under the guidance of Prof. Nipun Batra. ***OS*** comes under the systems part of ***IITGn***'s CSE curriculum.

-i Does case-insensitive matching.

-n Displays the line number of matched strings

-c Prints the count of matched strings

-l Displays the list of files that contains a matched string

-v Displays all the lines that do not contain any matched string

```
$ grep -v "OS" Greptest.txt
```

Output: Everyone should try to experience it once in his/her life.

-r *Searches the pattern in all the files and sub-directories of directory recursively*

Current Directory

Sub

Greptest.txt

Patterns.txt

:~/Current Directory$ grep -r “OS”

Output:

Greptest.txt: ***OS*** is great. It is offered in IITGn under the guidance of Prof. Nipun Batra. ***OS*** comes under the systems part of IITGn’s CSE curriculum.

Patterns.txt: ***OS***

Citations

Icons and Images from Flaticon and Shutterstock

References

- GREP Manual
- GeeksforGeeks grep command in Unix/Linux