

# Bash Shell Scripting

grep command

Part-1

```
#!/bin/bash
```

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# grep command:

- Grep is a filter command, it is used to search a string in a given file.
- Simple grep command syntax:
  - `grep [options] "string/pattern" file/files`
  - `cat file | grep [options] "string/pattern"`
  - `echo "some text" | grep [options] "string/pattern"`
- Basic options: `-i -w -v -o -n -c -A -B -C -r -l -h`
- Advanced Options: **`-e -f` and `-E`**

# Grep command with basic options

- Basic options: `-i -w -v -o -n -c -A -B -C -r -l -h`
- `grep "string/pattern" file/files`
  - `grep [options] "string/pattern" file/files`
  - `-i` To ignore case for matching/searching
  - `-w` To match a whole word
  - `-v` To display the lines which are not having given string or text
  - `-o` To print/display only matched parts from matched lines
  - `-n` To display the matched line numbers
  - `-c` To display matched number of lines
  - `-A` To display N lines after match (`grep -A 3 "string" file`)
  - `-B` To display N lines before match
  - `-C` To display N lines around match
  - `-r` To search under current directory and its sub-directory
  - `-l` To display only file names
  - `-h` To hide file names
  - `-q` To execute in silent mode (won't display the result use `$?` To know the status)

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**How to apply grep command on the output of other command ?**

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**Thank you**