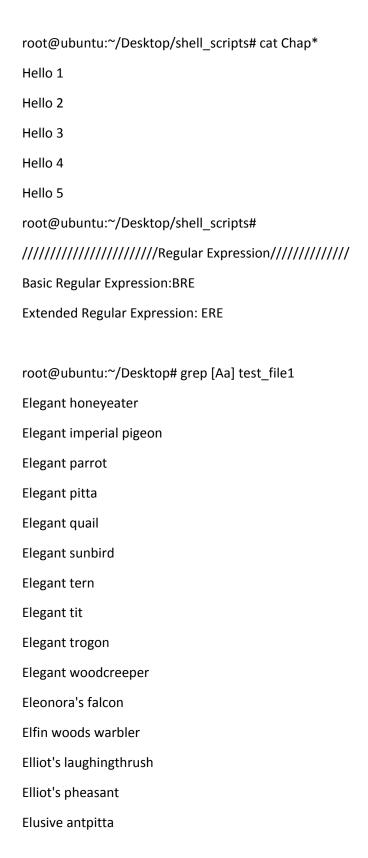
## **Regular Expression**

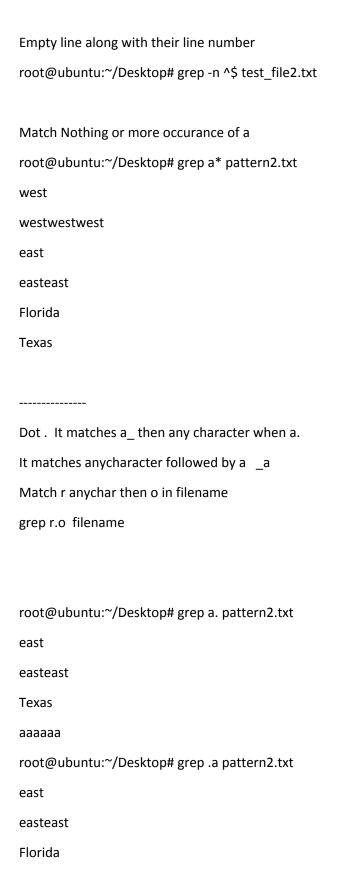


Emei leaf warbler
Emei Shan liocichla
Emerald starling
Emerald tanager
Emerald toucanet
Emerald-bellied puffleg
Emerald-chinned hummingbird
Emerald-spotted wood dove
Emperor bird-of-paradise
Emperor fairywren
Empress brilliant
Enggano cuckoo-dove
Enggano hill myna
Enggano scops owl
Enggano thrush
Epaulet oriole
Equatorial akalat
Equatorial greytail
Esmeraldas antbird
Esmeraldas woodstar
Española cactus finch
Ethiopian boubou
Ethiopian cisticola
Ethiopian oriole
Ethiopian siskin
Ethiopian swallow
Euler's flycatcher
Eungella honeyeater
Eurasian bittern

Eurasian blackcap	
Eurasian blue tit	
Eurasian bullfinch	
Eurasian collared dove	
Eurasian coot	
Eurasian crag martin	
Eurasian curlew	
Eurasian dotterel	
Eurasian eagle-owl	
Eurasian golden oriole	
Eurasian hobby	
Eurasian hoopoe	
Eurasian jay	
Eurasian magpie	
Eurasian nuthatch	
Eurasian oystercatcher	
Eurasian penduline tit	
Eurasian pygmy owl	
root@ubuntu:~/Desktop# grep [ae][ad] test_file1	matching options are aa, ad, ea,ed
Elegant honeyeater	
Elliot's pheasant	
Emei leaf warbler	
Emerald-bellied puffleg	
Emerald-chinned hummingbird	
Emerald-spotted wood dove	
Emperor bird-of-paradise	
Erect-crested penguin	

European golden plover
Evening grosbeak
Zero or More Occurance *
root@ubuntu:~/Desktop# grep west* pattern2.txt
west
westwest
root@ubuntu:~/Desktop#
Begins with Eastern
root@ubuntu:~/Desktop# grep ^Eastern test_file2.txt
Eastern alpine mannikin
Eastern barn owl
Eastern bearded greenbul
Eastern black-eared wheatear
Eastern black-headed batis
Ends with parrot
root@ubuntu:~/Desktop# grep parrot\$ test_file2.txt
Eastern ground parrot
Eclectus parrot
Only word parrot in the entire line

root@ubuntu:~/Desktop# grep ^parrot\$ test\_file2.txt



Texas
аааааа
Either i or a
root@ubuntu:~/Desktop# grep [ia] pattern2.txt
east
easteast
Florida
Texas
Indiana
Match characters within this range
root@ubuntu:~/Desktop# grep [a-c] pattern2.txt
east
easteast
Florida
Texas
Indiana
root@ubuntu:~/Desktop# grep [c-f] pattern2.txt
west
westwest
east
easteast
Florida
Texas
Indiana
root@ubuntu:~/Desktop# grep [c-d] pattern2.txt

```
Florida
Indiana
root@ubuntu:~/Desktop#
-----Number Match-----
root@ubuntu:~/Desktop# grep [1-9] pattern2.txt
546678
29
2456
root@ubuntu:~/Desktop# grep [7-9] pattern2.txt
546678
29
root@ubuntu:~/Desktop# grep [3-4] pattern2.txt
546678
2456
root@ubuntu:~/Desktop# grep [0-1] pattern2.txt
0
Match Non alphabet character
root@ubuntu:~/Desktop# grep [^a-zA-Z] pattern2.txt
546678
29
0
2456
root@ubuntu:~/Desktop#
root@ubuntu:~/Desktop# grep -n [^0-9] pattern2.txt
1:west
2:westwestwest
```

```
3:east
4:easteast
5:Florida
6:Texas
7:Indiana
root@ubuntu:~/Desktop#
root@ubuntu:~/Desktop# ls -l | grep ^d show the directories or starting with d
drwxr-xr-x 3 atrayee atrayee 4096 Sep 4 2017 inst
drwxr-xr-x 5 root root 4096 Oct 27 2019 kSar-5.0.6
drwxr-xr-x 6 root root 4096 Oct 27 2019 ksar-master
root@ubuntu:~/Desktop# ls -l | grep ^-
                                        show files only
-rwxr-xr-x 1 root root 8808 Aug 2 23:00 fork1
-rw-r--r-- 1 root root 371 Aug 2 23:00 fork1.c
-rw-r--r-- 1 root root
                       30996 Jun 22 2021 history_commands.txt
-rw-r--r-- 1 root root
                        533 Jun 15 2021 mesh_table
                        631 Jun 19 2021 mesh_tableCHA1
-rw-r--r-- 1 root root
-rw-r--r-- 1 root root
                      38 Aug 10 21:17 pattern1.txt
-rw-r--r-- 1 root root
                      72 Aug 10 21:58 pattern2.txt
-rw-r--r-- 1 root root 32 Aug 10 22:59 pattern3.txt
-rw-r--r-- 1 root root 1984 Aug 10 21:00 test_file1
-rw-r--r-- 1 root root
                       1465 Aug 10 21:02 test_file2.txt
root@ubuntu:~/Desktop# Is -I | grep ^[^d] show not starting with directory means files
total 4496
-rwxrw-rw- 1 root root 4510382 Mar 31 2021 2020JournalHealth Technol.pdf
-rwxr-xr-x 1 root root 8808 Aug 2 23:00 fork1
```

-rw-r--r-- 1 root root 371 Aug 2 23:00 fork1.c

```
-rw-r--r-- 1 root root
                       30996 Jun 22 2021 history_commands.txt
-rw-r--r-- 1 root root
                        533 Jun 15 2021 mesh_table
                        631 Jun 19 2021 mesh_tableCHA1
-rw-r--r-- 1 root root
-rw-r--r-- 1 root root
                         38 Aug 10 21:17 pattern1.txt
-rw-r--r-- 1 root root
                        72 Aug 10 21:58 pattern2.txt
-rw-r--r-- 1 root root
                       32 Aug 10 22:59 pattern3.txt
-rw-r--r-- 1 root root
                        1984 Aug 10 21:00 test_file1
                        1465 Aug 10 21:02 test_file2.txt
-rw-r--r-- 1 root root
```

root@ubuntu:~/Desktop#