

Exercises simple grep Examples

- Show lines containing the word "error":

```
grep "error" logfile.txt
```

- Match lines that contain a digit:

```
grep "[0-9]" file.txt
```

- Show lines starting with "INFO":

```
grep "^INFO" file.txt
```

- Show all empty lines:

```
grep "^$" file.txt
```

- Show non-empty lines (invert match):

```
grep -v "^$" file.txt
```

Basic egrep (grep -E) Examples

- Match lines ending with "done" or "fail":

```
egrep "done$|fail$" file.txt
```

- Match words "cat", "bat", or "rat":

```
egrep "cat|bat|rat" file.txt
```

- Find lines with exactly two consecutive "p" characters:

```
egrep "p{2}" file.txt
```

- Match lines containing a string of at least 3 digits:

```
egrep "[0-9]{3,}" file.txt
```

- Case-insensitive search for "success":

```
egrep -i "success" file.txt
```

Additional Flags

- Show line numbers for matches:

```
grep -n "pattern" file.txt
```

- Recursive search in all .log files in current directory:

```
grep -r "pattern" *.log
```