

Regex

Regex is a pattern-matching method used to search, find, or manipulate text in Linux commands and scripts.

Examples of regex are grep,awk, sed etc:..

Metacharacters are the special symbols used inside a regex to define the pattern.

Eg:	*	*.txt	Lists all txt files in a folder
	&	sleep 10 &	Runs sleep command in background
	[]	ls file[1-3].txt	Matches file1.txt, file2.txt, file3.txt

grep

The grep command in Linux is used to search for specific patterns or words in text files

Eg: `grep "hello" file.txt` //finds the word hello in file.txt

sed

sed command in Linux is used to search, find, and replace, insert, or delete text in a file

Eg: `sed 's/linux/Linux/' file.txt` // # Replace linux with Linux

awk

awk is ideal for data extraction and transformation ideal for structured table

Eg: `awk '{print $1}' file.txt` // Prints first column from each line