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Regular expression

In linex regular expression an special characters which helps to search dala and natching complex, mattern, Regular expressions are stored, as 'regery' or 'reger' Regexpe are most commonly used within the linex commonds grep, sed, lr, vi

Types of sugular expression

- 1) Basic regular expression
 - -> (.) Replacer any characters
 - (1) matches start of string
 - (4) matures end of string
 - (x) matches up zur or more time of preceding character
 - (1) Represent special character
 - () Groups regular espressim
 - (1) Matches up exactly one characters
 There are used with commande like

1~, red, vi and grep commonly

2) Internal regular espression tells us about the number of occurances of a character or string

Expression 'Eny matches the preceding character appearing in times

En, my matches the preceding character appearing a times but not more than 'm' matches the preceding characters only when it appears in times or more 3. External regular expression This expression contains comedinations of more than one expression Expression It matches one or more occurance of the previous character 1? matches zero or more occurance y the previous character. a file 'sample' containing texts banara apple Guara Pireapple (i) Search for content containing letter a

(ii) Search for content that end with it wing & (iii) Search for content that end with it wing & (iv) Search for content that contain p' appearing 2 times in a string one grafter the other

(V) search jos content when character 'a' precede,

to sample Igrepa barara apple quava pireapple.

ii) & cat sample I grep 1 a apple.

find & cat sample 1 grep t \$

tree

eivs cal sample 19 rep - E p1 {24}
apple

(V) cat sample | grep l'al + t"
tree