Regular Expression:

In Linux Regular expression were special characters which hulps to search data and matching complex upattern. Regular impressions were sorted as 'regrep and regard'. Regards are most commonly used within the linux commands

grep, sed, tr, vi

Types of regular expressions

Basic Regular Junction

- () Replaces any character
- (1) Matches start of string
- (\$) Matches and of string
- (*) Matches up zero or more times of preceding character
- (1) Represents special character
- L) Groups regular expression
- (?) Matches up martly one characters

Thuse are used with commands like trised, vi and grep commonly.

Internal regular unpression

This supression tells us about the number of occurances of a character or estring

- Expression: {n} Matches the preceeding character appearing n' times
- {n.m} matches the preceeding character appearing n times but not more than 'm'
 - {n3}. matches the preceeding characters only when it appears 'n' times or more

External regular expression

This expression contains continuous wo more other on expression

Inpression

- Matches one or more occurance of the previous character
 - 12 Matches Zero we more occurance of the previous characters
- give a file 'sample' containing texts apple ball

bat Cost

people

- (i) search for content containing letter 'a
- isearch for content start with 'a'
- (iii) search for content that and with 't'.
- Search you content where characters para precede 't'

- apple

 ball

 ball

 cat

 people
- (ii) \$ cat sample I grup 1 a apple
- (iii) \$ cat sample | grep t \$

 bat

 cat
- (iv) cat sample 1 grep · "al+t"
 bat
 cat