## PATTERN MATCHING

what is pattern matching is a process of checking whether a specific sequence of craractus/token/data exists among given data. It is also used to find and supplace a matching pattern in a text or code with another text was.

too ex, 2\* matches any number of 2 charavers, [0-9]\* matches any number of algits, & matches any number of anything.

Sero linux, will cards allow you to specify succently a pattern that matches a set of frienames for ex, \*... polf to get a list of all the PDF Files.

The also often sufuced to as glob patterns.

Pattern Match can be used go goen tegention as used go goen tegention as used go goen tegention as used go goen processing, began processing, or George processing, when defending a pattern, use should ordy use the Expressions defined under Regular Expression Refuence, whiteards are not supported for this process.

what are the 2 main characture und for matching Pattern and How correlation pattern matching works o

Ans: Pattern matching employs suild and characters to match different combinations of cloaracters. The RIKE Keyword Indicates that the following character string is a matching pattern.

Temploite moutining is a basic and simple pattern matching technique in digital signal processing, in particular in digital image processing. The correlation approach was correlation coefficient as a measure of signality blive the sufuence Crimplate) for each docation (x,y) in tauget image.

- 3) wilte Table of Metacharactus In [Pinux?
  - i) n (court) match bigfining of line.

    Anchors match
  - 2) \$ (dollow sign) match end of line.
    Anchors match
  - (3) \$ (dollar segn) match end of cene]
  - 3) · (dot) match any character. Becuaue command when globbarg uses? instead.

- \* (star) matches zeue or more of preceding characteus. Bemane, command aline wes to as in
- 5) [] (Equavu Braces) set of chanatus ansede Braces, match any one of.
- matches any character except those Privide Braces.
- range. If -9s to be matched, must be fevest character, to avoid who interpretation as range operator.
- 8) () { paun thesis, mut be excaped with Backstash), saw match for later use with in, where n & a number.
- 9) {m}, {m,} and {m,n} [Braces, which must be excaped with a Blackslash), matched m, more than m, or between (m and n).
- us & (amperiand) expands to the matched string, und in sed.