what is wildrand Pattern Matching. Given a tent and a mildrard partiers. implement unideared pattern matching algorithm that finds if undered parties mallhed with fest The natching should the entire text The wildrard fatheren can include the characters '?' and 'x' * ? - malihes any single character.

* * . Matches any sequence of characters (including the empty Sequence) Jest: "baaabab" Pattern = " * * * * * ba * * * * ab", 0/8. June. Pattern: "baaa?ab", Off: Lerue Patters: 'ba *a 9", ofe: terre Pattern: "a xab", of: Jalie. Case 1: The character is "x" Here two leses arise 1. We can ignore 'x' character and move to m Character in the Pattern 2 'x' character mother with on or more character in Test. Here we half move to next character the string Case 2: The character is 69' we can ignore current character in the and nove to next character air the Patters and Text.

Case 3: The character is not a mildeard

If werent character is Text matches with august character in Pattern, we move to next character in the pattern and Terl. If they do not match, wildcard pattern and Text do not match.

2) Ans

What is metacharacter ? and commands. The most powerful pealure of the hinux Bash shell is its capability to work around files and redirect their input and output efficiently. Leviex us special characters on symbols known as melacharacters that add special meaning to a shell command with suspent to file search and commands connection.

The Linux Shell allows to save keys trokes between file on directory sames. These characters new you rufus to a group of files or derectory to list, move or perform other activities on.

· & - Variable Substitution

· * (deterisk): Matches Single or multiple ourserve of a character.

· ! - History substitution

· ? (Quition mark): Matches a single character on pattern ourrence

· & >- Redirection 15 > file of outbert.

· [] (Eguere Brenket) : Matches & any hypher - seperated number, symbol or alphabets specified enude the square lerachels

< Redirection le file of Fapert

What is character class and enamples ? that is thoracter class matches any one character class matches any one character of thoracter of typical for this is the backeted character class dos: [...], which matches any one character from the non-empty sequence of character ex: Is chap[1-2] OfP: Chap 1 chap 2 ls chap[11-3]