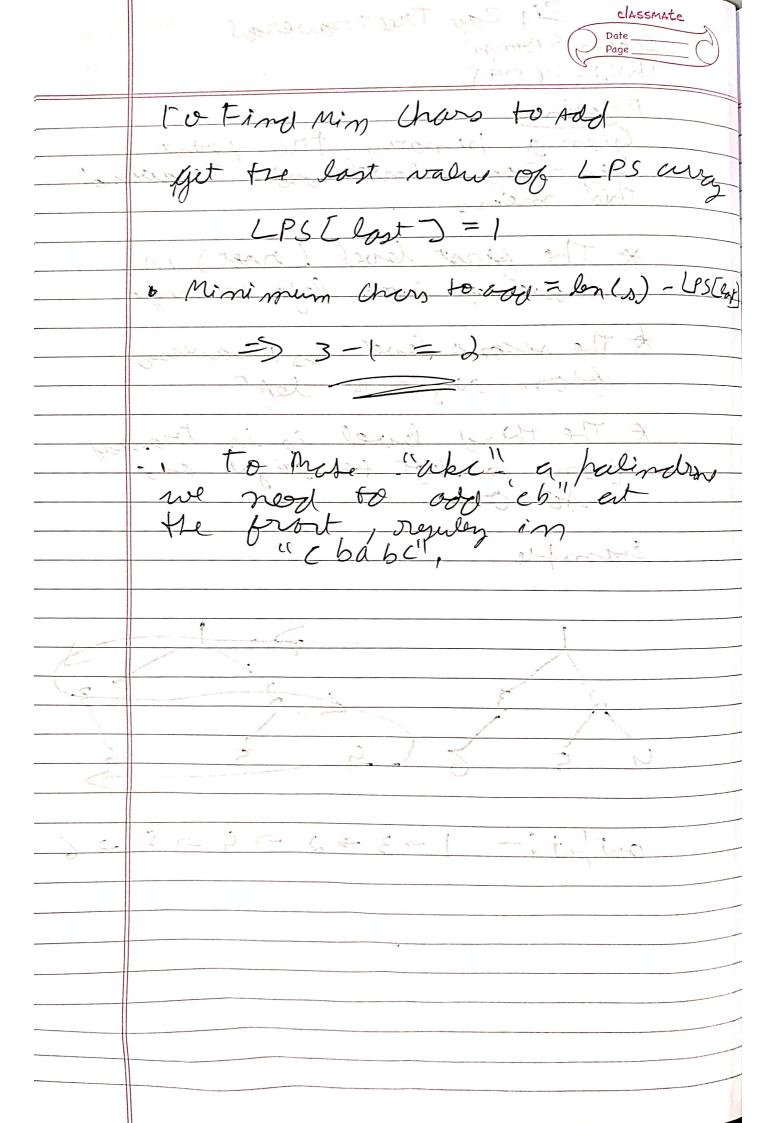
Minimum Characters to Date _______
Add at prost for Palindrone Took: number of charactors to be added "abe" => lebabe "aace caasa" > Jaaj aace caasa step/ step 2 Slup3 LPSValue indes No profise - synx No match will 4 No mater a 07 b No males No match O No Mary 0 Match's with 'al 0,0,0,0,0,0 LPS any



Pseudo Code;
Function min (horst o Add (s)' nowstr = S + 'b' + rowere (S) LPS = romputed PS (new Str) min chars = length (S) - LPS [lost) Petern min chars.
Function computeLPS (str);
n = lbngh(str) gritislize LPS every with allo j=0
for a from 1 no n-1
rotife j Do and strCi). (=str[p] 2 = LPSEJ-1)
$ \frac{3f}{f} \sin C i = \sin C j; $ $ f = 1 + 1 $ $ Cos E i = j $ Rerun LPSC $n - 1$

Shapun S Poongy Tree traveral 12U24M(098 Gien a pinary tree point Zig-20g devel order Trau this means * The first level (root) is traversey from left * The second Level is Traversed rom right to left * The third level is is travery bon so left to suget 80 0n Esample つ2 つらつらつ6

	Using BF 5 (Breath First Sears)
	stefs to solve
	1. Use a Queue to store The nodes level by level
when y	2. Maintern a boolean flag to Switch between normal & noversed order
7	3. For soch level; if traversing left to right, odd wildren normalin (left > right)
	odd Hildren normally (left -> right) odd Hildren in rovers over (right to left)
	4. Print the foral teneveral orang
72 Dec 1	Example Walkbrogn
- 1,1-	in rain innis trocaré
	Level Nodes Fraversel Order Left to Right
	3 4,5,6 Right to 25t
	= 2 1 3 2 4 56

Surpey	Pseugro Code?
	00 300
	Funct: 2: 2 ()
	Function Zig Zag (root);
	if root is Null' Tetum emfty list
	Telion emply let
	Initialize full as entry quelle Add root to quelle Not lost To richt - To
	Dritigling Miles C
	And root to as singly quelle
	NOT PORTTO SILT-TO
	Jan Jane
	while queue is not empty. I ritialize level as empty list yet size of queue
	were is not ompty.
	I ritialize level as onition list
	get size of queine
	Took i from 1 to sizi;
	1 0
	note = hernoue bront node
	If left to Ringst
	Else Insot node. value at heging
	\$0.
	2 and well and
	or sou con. value at beging
	if node left is not NUCC's Add node left to queue
1 0 10	Add note, left to queue
MY 7 200	F. A. A.
20	it node right is not NUCC:
10	A = A = A = A = A = A = A = A = A = A =
	Logge left to Rest
	0 + 2 - 17
	bewn I mu