Scarined with Carif

	02/06/2023
0	THE SECOND COLORS OF SHEET OF
<u> </u>	Longest common prefix
	error via error sauste danom land !
	i/p > [flower, flow, flight]
	O/b + fl
	Optimal solution does not come from tries. Optimal
	solution can come from brute force
U	Control to the state of the sta
	flower
	Prefix (Reading from left to right)
	The state of the s
	Approach-1
	fala arrivas we have 4 strings code, coder,
	coding ocodehelp. FICE one string.
	Code
	coding code help
	codenelp
	I least common brefix. We
	Hence cod is the longest common prefix. We can do this approach via 2 loops. Outer for loop will
	loop will run on code and inner for loop will
	loop will run on coac and mino
	run for n-1 Strings
	Code
	String longest Common Prefix (vector < string > 4strs)
	string tongest contract
	string ans = " ";
	311117
	" 31 ALLIEU WILL A



	// Loop for 1st string
	for (int i = 0) i < Strs [o] · length () ; i++) {
	char ch = Strs [O] [i]
	bool match = true;
	1/compare ch with all string's ith index
	for (int i = 1) j < Strs size() j + +) {
	// Invalid // y not equal
learne	if (strs[j] size() < i 11 ch = strs[j](i))
	match = false
	Hence exit as prefix not common
	break
	3 (day in ed dels) mora privata and
	// Simply break as prefix match not true
	$\frac{13}{13}$ Chique $\frac{1}{13}$ $\frac{1}$ $\frac{1}{13}$ $\frac{1}{13}$ $\frac{1}{13}$ $\frac{1}{13}$ $\frac{1}{13}$ $\frac{1}{$
	else // Joseph chair and any amuse
	1 cise 17 zirsou chayacter in and
	ans: bush - back (ch);
	return ans i // January
0	return ans i // Longest common prefix
	Abbroach = 2
	(1/02)
31/	Coder
	codehelb
10:00	good vol sent han the state of the plant
	TimeComplexity :O(n*m)
	SpaceComplexity :O(n*m)
	$\binom{a}{h}$
	(e)
	b EUL DUILLE
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1)	Insert all characters of strings in trie
(ک	Whenever we find that there are multiple
	child, then Stop but if we find that a node is
	terminal, then stop.
	Code
	void find LCP (String first, String & ans,
	Trie Node * root) {
10	1/ Here i can do mistake (handle empty string)
	if (root → is Terminal)
	return
	for (int i=0) i < first length () i i++) {
	chay ch = first (i)
	if (root + child Count = = 1) {
	ans. push - back (ch);
	// Move to next child
	int index = ch - 'a';
	root = root > children [index]
	3
	else { // Morenthan one children
	break i
	3 // Terminal found before multiple child.
	byeak;
	2
	J
	String longest common prefix (vector <string> &strs){</string>
	Trie Node * root = new Tric Node ('-'))
	1/ Torent obanocters in trie
	for (int i=D) (Strs.size()) L++)?
	inscrtWord (root, strs[i]);
	3
	" Scarineu with card

	Page
81	String ans = ""; // Move forward by using characters of 1st String first = strs [O]; string find LCP (first, ans, root); return ans; 3
	Suggestions when string is written in search
	i/p + codef O/p + C ⇒ 7 strings Cod ⇒ 7 strings cod ⇒ 7 strings code ⇒ 5 strings codef ⇒ 1 string
	Here we are storing the vector in which some strings have been mentioned Dry run
	vector → [love, loving, lover, lane, last, lost, lord]
H Wes	

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<	= == 100 / 420)
	TrieNode * prev = root i
	vector < vector < string >) output; String prefix = " "; (c. phyt. length (); i+t) (
	Stripa brefix = " ";
	for (int i=0) i < input length (); i++){
	char last Ch = input (i);
13	char last Ch = input [i]; int index = last Ch - 'a';
1	Trie Node * cwy = prev - Children [
	indexJi
	(e.) Jat Let miter Jaho)
	if (cover = = NULL)
į.	And A athir on breaking pur synta line
	Transport & tember Shippels by the transport
10 10	vector <string> temp;</string>
	prefix.push_back (last(h))
	store Suggestion (curr, temp, prefix); output push back (temp);
	output bush back (temp);
į.	prev = cury;
	$\frac{3}{3} = \frac{3}{3} = \frac{3}$
(etas)	return output i
2/100	3 3 (22011 = 1 + 200) 21
	Time complexity = 0 (nm2)
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	m+ average length of string.
	i () Aland - dad - Xillery
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	The state of the s
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