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 [0] · length () ; i++) { |
| | char ch = Strs [O][i] |
| | bool match = true; |
| | 1/compare ch with all string's jth index |
| | for (int i = 1) i < Strs size() i j + +) { |
| | // invalid // not equal |
| Legato | if (strs[j] size() < i 11 ch! = strs[j](i)) |
| | match = false |
| | Hence exit as prefix not common |
| | brear |
| | 3 (their ed that more print) 8 |
| | // Simply break as prefix match not true |
| | 13 CMA(CM = -) (XXY) |
| | else // Insent channel |
| | enser in and |
| | ans: bush - back (ch); |
| | return ans i // Jongest common prefix |
| > | 3 prefix |
| | Abbroach -2 |
| | (1/0') Coder |
| 31/ | Coding |
| | codehelb |
| 10; W | 4007 XC1 Paris Jap . 1 |
| | e (o) |
| | (d) |
| | |
| | (e) |
| | (c) |
| | |
| | (e) (g) = 2.010 parted 2 |
| | Scarnieu with Ca |

Scarined with Cam

Scarnieu with Caril

| 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 |
| <u> </u> | 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 | |

Scarnieu with cam

classmate

ocanneu with cand

| < | = == 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); |
| | 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) |
| XIIIX | m+ average length of string. |
| | m+ average length of string. |
| | i () Aland - dad - Xillery |
| | |
| | |
| 1 | il and the Committee of the |
| 1,000 | ELLINE AND STATE AND |
| | Light Baile " + min |
| | |
| | " Scarifica With C |

Scarnieu with Cam