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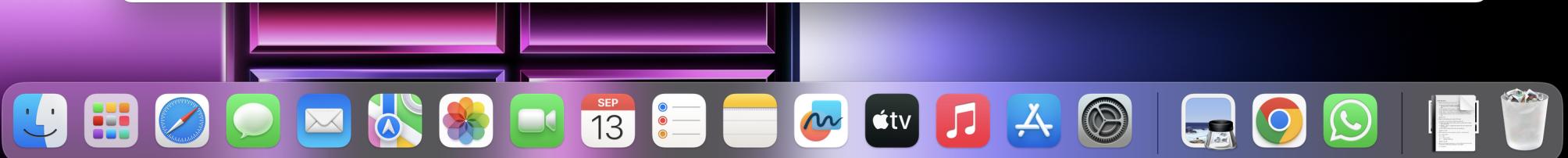
## CS213 Q 1: Lecture 14: Which of the following are true about trie?

- insert("Plan"), insert("Play"), insert("Poll"), insert("Post"), delete("Poll"), search("Post") : "Post" is not found in the trie
- Compressed Trie: insert("Plan"), insert("Play"), insert("Poll"), insert("Post") : It contains 7 nodes that store alphabets.
- Trie :["cat", "car", "cart", "cap", "bat"] have 14 total nodes(including root and "\$", "\$" nodes are separate from alphabets).
- Suffix Tree: ["banana"] : have 9 nodes (including root node and "\$" is included in leaf node) e.g. aa will have nodes root ( "a" ( "\$" , "a\$" ), "\$" ).

**Answer**

Note: please be careful before submitting the answer. You will not be able to change the answers.

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### CS213 Q 1: Lecture 14: Which of the following are true about trie?

You have answered the following:

- insert("Plan"), insert("Play"), insert("Poll"), insert("Post"), delete("Poll"), search("Post") : "Post" is not found in the trie (You are correct)
- Compressed Trie: insert("Plan"), insert("Play"), insert("Poll"), insert("Post") : It contains 7 nodes that store alphabets. (You are correct)
- Trie :["cat", "car", "cart", "cap", "bat"] have 14 total nodes(including root and "\$", "\$" nodes are separate from alphabets). (You are correct)
- Suffix Tree: ["banana"] have 9 nodes (including root node and "\$" is included in leaf node) e.g. aa will have nodes root ("a" ( "\$", "a\$" ), "\$"). (You are incorrect)

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