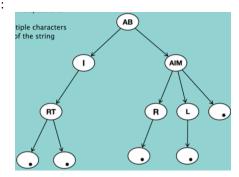
Trie:

A Trie is a tree-based data structure that organizes information in a hierarchy. We use Trie's tp save English Character in each node and it's typically used to implement fast look ups and it's very efficient for prefix matching in English Language.

Trie Properties:

- It is typically used to store or search strings in a space and time efficient way.
- Any node in trie can store non repetitive multiple characters
- Every node stores link of the next character of the string
- Every node keeps track of 'end of string'

This is a simple Trie and below that it's strings that can be extracted from:



AIR, AIT, BAR, BIL, BM

Each time when we encounter a node with the value of dot "." It means that the string ends here.

Why we need Trie data structure?

In the world of data structure there are many problems that solve easily using trie data structure for instance:

- Spelling checker
- Auto completion

Each Node in the Trie data structure has a Map like this:

Мар	
Characters	Link to Trie Node
End of String	