



```
class Node {
    Node links[] = new Node[26];
boolean flag = false;
    public Node() {
    boolean containsKey(char ch) {
   return (links[ch - 'a'] != null);
    Node get(char ch) {
    return links[ch-'a'];
     void put(char ch, Node node) {
    links[ch-'a'] = node;
         flag = true;
     boolean isEnd() {
         return flag;
      private static Node root;
      Trie() {
           root = new Node();
      public static void insert(String word) {
           Node node = root;
for(int i = 0;i<word.length();i++) {</pre>
                if(!node.containsKey(word.charAt(i))) {
                     node.put(word.charAt(i), new Node());
                node = node.get(word.charAt(i));
            node.setEnd();
     //Returns if the word is in the trie
     public static boolean search(String word) {
         Node node = root;
for(int i = 0;i<word.length();i++) {</pre>
               if(!node.containsKey(word.charAt(i))) {
              node = node.get(word.charAt(i));
          if(node.isEnd()) {
     public static boolean startsWith(String prefix) {
         Node node = root;
for(int i = 0;i<prefix.length();i++) {
   if(!node.containsKey(prefix.charAt(i))) {
              node = node.get(prefix.charAt(i));
```