## TRIES SOLUTIONS

## Solution 1:

We solve using Tries.

```
iclass TrieNode {
  TrieNode children[];
  TrieNode(){
      root = new TrieNode();
          build(word);
      dfs(root);
      return ans;
      char[] word = s.toCharArray();
      Arrays.sort(word);
      for(char c: word) {
```

```
TrieNode child = temp.children[c-'a'];
    if(child == null) temp.children[c-'a'] = new TrieNode();
    temp = temp.children[c-'a'];
}
temp.isEnd = true;
temp.data.add(s);
}

public void dfs(TrieNode rt) {
    if(rt.isEnd) {
        ans.add(rt.data);
    }

for(int i = 0; i < 26; i++) {
        if(rt.children[i] != null) dfs(rt.children[i]);
    }
}</pre>
```

## Solution 2:

```
class Solution {
   private static class Node {
     private char data;
     private String word;
     private boolean isEnd;
     private Node[] children;

   public Node(char data) {
        this.data = data;
        this.word = null;
        this.isEnd = false;
        this.children = new Node[26];
    }
}
```

```
int childIdx = word.charAt(i) - 'a';
           if (curr.children[childIdx] == null) {
              curr.children[childIdx] = new Node(word.charAt(i));
  private void dfs(Node node) {
       if (node.word != null) {
          if (node.word.length() > ans.length()) {
node.word.compareTo(ans) < 0) {</pre>
              ans = node.word;
              dfs(child);
          insert(word);
       dfs(curr);
       return ans;
```