**Word Ladder II:-**

Given two words (*beginWord* and *endWord*), and a dictionary's word list, find all shortest transformation sequence(s) from *beginWord* to *endWord*, such that:

1. Only one letter can be changed at a time
2. Each transformed word must exist in the word list. Note that *beginWord* is *not* a transformed word.

**Note:**

* Return an empty list if there is no such transformation sequence.
* All words have the same length.
* All words contain only lowercase alphabetic characters.
* You may assume no duplicates in the word list.
* You may assume *beginWord* and *endWord* are non-empty and are not the same.

**Example 1:**

**Input:**

beginWord = "hit",

endWord = "cog",

wordList = ["hot","dot","dog","lot","log","cog"]

**Output:**

[

["hit","hot","dot","dog","cog"],

  ["hit","hot","lot","log","cog"]

]

**Example 2:**

**Input:**

beginWord = "hit"

endWord = "cog"

wordList = ["hot","dot","dog","lot","log"]

**Output:** []

**Explanation:** The endWord "cog" is not in wordList, therefore no possibletransformation.