1. Please write all possible manual test cases for Google Search functionality. Please be crisp about documenting your manual test cases i.e. for each test case, please make sure to write down - execution steps, expected results, observed result.

2. Please write one automated E2E test for Google Search functionality using the framework of your choice.

Please post the project in a Github repo with instructions for us to run it.

**Test Cases for Google Search Functionality**

* Check google page is opening or not after entering https://www.google.co.in in the URL box or not.

Steps : -

* + Goto Browser
  + In url box insert : - <https://www.google.co.in>
  + Press Enter

Expected: - Google home page should load

2) Check google logo should be displayed at the top.

Steps : -

* + Goto Browser
  + In url box insert : - <https://www.google.co.in>
  + Press Enter

Expected: - Google home page should load and Google logo should appear with search input field

3) Check how many results display on a single page.

Steps : -

* + Goto Browser
  + In url box insert : - <https://www.google.co.in>
  + In search bar insert YouTube
  + Press Enter

Expected: - Google home page should load with no search result according to the user settings.

4) If you entered nothing and just clicked search the nothing should occur.

Steps : -

* + Goto Browser
  + In url box insert : - <https://www.google.co.in>
  + Leave search bar empty
  + Press Enter

Expected: - Google should not show any result

5) If you entered Special Characters like ! @,#,$, etc. and hit the submit button, you should search with the alphanumeric values.

Steps : -

* + Goto Browser
  + In url box insert : - <https://www.google.co.in>
  + In search bar insert Special Characters like ! @,#,$,
  + Press Enter

Expected: - Google should search result related to the keyword.

6) Enter not existing data means ++++++, it should not match anything it will not display anything

Steps : -

* 1. Goto Browser
  2. In url box insert : - <https://www.google.co.in>
  3. In search bar insert ++++++
  4. Press Enter

Expected: - Google should not show any search results.

7) Check after searching with a particular keyword. Whatever data we are getting from the search result is related to the entered keyword and also contains links to the respective web pages.  
 Steps : -

* Goto Browser
* In url box insert : - <https://www.google.co.in>
* In search bar insert Youtube
* Press Enter

Expected: - It should show the results related to YouTube.

8) Check when you are entering a keyword in the search result Box, it is viewing list which is similar to the entered keyword.

Steps : -

* Goto Browser
* In url box insert : - <https://www.google.co.in>
* In search bar insert Youtube
* Press Enter

Expected: - It should show the results related to YouTube.

9) Check whether you can select a keyword from the auto-suggestion list, and you can proceed with the cured keyword of the auto-suggestion list.

Steps : -

* Goto Browser
* In url box insert : - <https://www.google.co.in>
* In search bar insert Yout

Expected: - It should show the search suggestions related to the keyword.

10) Check the number of search result displayed in a single page.

Steps : -

* Goto Browser
* In url box insert : - <https://www.google.co.in>
* In search bar insert YouTube
* Press Enter

Expected: - It should show the search results per page according to the user settings.