

RegularExpressions:

Write a class & add methods to do the following.

1. Mobile number validation.
 - i. Should have 10 numbers.
 - ii. First digit can start with 7 or 8 or 9 only.
 - iii. Should not accept string & special characters
2. Accept an input string with Alpha numeric characters alone
3. Accept two strings viz. a given string & a matching string.
 - i. Check the given string starts with the matching string
 - ii. Check the given string contains the matching string
 - iii. Check the given string ends with the matching string
 - iv. Check the given string is an exact match
4. Accept a List of Strings, maybe with duplicates by differing only with their case (upper or lower) & a matching String. Matching should be done irrespective of the case.
5. Email validation
 - i. Should have a "@" character & it should be between two strings
 - ii. Should have a "." character & it should be between two strings
6. Accept a List of Strings & check whether they are only Strings with length ranging from 1 to 6.
7. Accept a List of given Strings viz. List1 (10 nos) & accept another List of matching Strings viz. List2 (3 nos). Please make sure all the values in List2 should be present in List1. Return a Map with matching string as Key & their index value in List1 as Values.
8. Accept a raw HTML string as input & print the HTML tags alone. For eg.

input string : `<p>The President of India is the first citizen of our country.</p>`

Output should be as follows:

- i. `<p>`
- ii. `<code>`
- iii. `</code>`
- iv. `</p>`