**Questions**

**React Implementation Compulsory Question**

1. **Show local weather**: I can see the weather in my current location. A different icon or background image (e.g. snowy mountain, hot desert) depending on the weather. I can push a button to toggle between Fahrenheit and Celsius.

**Logic Based**

**Easy: (Attempt atleast one or more)**

1. Write an function which will find the missing letter in the passed letter range(like passed “abce” and it returns “d”) and return it.

If all letters are present in the range, return undefined.

1. Implement a countdown function which should use recursion to return an array containing the integers n through 1 based on the n parameter. If the function is called with a number less than 1, the function should return an empty array. For example, calling this function with n = 5 should return the array [5, 4, 3, 2, 1]. Your function must use recursion by calling itself and must not use loops of any kind.

**Medium: (Attempt any one)**

1. Amy is given a string word that consists of digits and lowercase English letters.  She would have to replace every non-digit character with a space. For example, "xvz12b16nk786tp16r" will become " 12 16 786  16 ". Notice that she is left with some integers that are separated by at least one space: "12", "16", "786", and "16". Help her out by return the number of different integers after performing the replacement operations on word. Two integers are considered different if their decimal representations without any leading zeros are different.  
   **Constraints:**

* 1 <= string.length <= 1000
* String consists of digits and lowercase English letter

**Example 1:**

Input: word = "a123bc34d8ef34"

Output: 3

**Example 2:**

Input: word = "t1x01r001"

Output: 1

1. A healthy DNA is a covid-19 free string if it does not have any of the strings 'ppp', 'xxx' or 'rrr' as a substring.

Given three integers p, x and r, return the healthy DNA string, which satisfies following conditions:

* + String will only contain 'p', 'x' and 'r' letters.
  + String is healthy and longest possible.
  + String contains at most p occurrences of the letter 'p', at most x occurrences of the letter 'x' and at most r occurrences of the letter 'r'.

If there is no such string return the empty string "".  
  
**Constraints:**

0 <= p, x, r <= 100

p + x+ r > 0

**Example 1:**

Input: p = 2, x = 2, r = 1

Output: "ppxxr"

**Example 2:**

Input: p = 7, x = 1, r = 0

Output: "ppxpp”