Leet code

Summary Ranges

class Solution {

public:

vector<string> summaryRanges(vector<int>& arr) {

int n = arr.size(); // extracting size of the array

vector<string> ans; // declaring answer array to store our answer

string temp = ""; // temproray string that stores all possible answer

for(int i = 0; i < n; i++) // start traversing from the array

{

int j = i; // declare anthor pointer that will move

// run that pointer until our range is not break

while(j + 1 < n && arr[j + 1] == arr[j] + 1)

{

j++;

}

// if j > i, that means we got our range more than one element

if(j > i)

{

temp += to\_string(arr[i]); // first store starting point

temp += "->"; // then store arrow, as question wants it

temp += to\_string(arr[j]); // and lastly store the end point

}

else // we got only one element as range

{

temp += to\_string(arr[i]); // then store that element in temp

}

ans.push\_back(temp); // push one possible answer string to our answer

temp = ""; // again reintiliaze temp for new possible answers

i = j; // and move i to j for a fresh start

}

return ans; // and at last finally return the answer array

}

};