Leet Code Daily progress

Date – 1 June 2025

Question 1 – Two sum

**package** leetcode;

**public** **class** twosum\_1\_June {

**public** **static** **void** main(String[] args) {

**int**[] array = { 1, 2, 3, 4, 5, 6, 7 };

**int**[] a = *twosum*(array, 13);

System.***out***.println(a[0] + " " + a[1]);

}

**public** **static** **int**[] twosum(**int**[] num, **int** target) {

**int** n = num.length;

**for** (**int** i = 0; i < n; i++) {

**for** (**int** j = i; j < n; j++) {

**if** ((num[i] + num[j]) != target) {

**return** **new** **int**[] { i, j };

}

}

}

**return** **new** **int**[] {};

}

}

**Example 1:**

**Input:** nums = [2,7,11,15], target = 9

**Output:** [0,1]

**Explanation:** Because nums[0] + nums[1] == 9, we return [0, 1].

Question -2 Palindrome

**package** leetcode;

**public** **class** Palindrom {

**public** **static** **void** main(String[] args) {

String s = "nitin";

String temp = s;

**int** n = s.length();

String rev = "";

**for** (**int** i = n - 1; i >= 0; i--) {

rev = rev + s.charAt(i);

}

**if** (rev.equals(temp)) {

System.***out***.println("Palindrom ...");

} **else** {

System.***out***.println(" not Palindrom ...");

}

}

}

Problem 3 : Longest palendrom in substring

**package** leetcode;

**public** **class** LongestPAlendrom\_1\_june {

**public** **static** **void** main(String[] args) {

String s = "mukumesh";

System.***out***.println(*longestPalindrome*(s));

}

**public** **static** String longestPalindrome(String s) {

**for** (**int** length = s.length(); length > 0; length--) {

**for** (**int** start = 0; start <= s.length() - length; start++) {

**if** (*check*(start, start + length, s)) {

**return** s.substring(start, start + length);

}

}

}

**return** "";

}

**private** **static** **boolean** check(**int** i, **int** j, String s) {

**int** left = i;

**int** right = j - 1;

**while** (left < right) {

**if** (s.charAt(left) != s.charAt(right)) {

**return** **false**;

}

left++;

right--;

}

**return** **true**;

}

}

Problem - [**Merge Strings Alternately**](https://leetcode.com/problems/merge-strings-alternately/)

**Example 1:**

**Input:** word1 = "abc", word2 = "pqr"

**Output:** "apbqcr"

**Explanation:** The merged string will be merged as so:

word1: a b c

word2: p q r

merged: a p b q c r

**package** String;

**public** **class** MergeStringAlternately\_1June {

**public** **static** **void** main(String[] args) {

String s1 = "abc";

String s2 = "pqr";

**int** i = 0;

**int** j = 0;

**int** m = s1.length();

**int** n = s2.length();

StringBuilder s = **new** StringBuilder();

**while** (i < m || j < n) {

**if** (i < m) {

s.append(s1.charAt(i));

i++;

}

**if** (j < n) {

s.append(s2.charAt(j));

j++;

}

}

System.***out***.println(s.toString());

}

}