

Task 1

Given two numbers as input. Show all the prime numbers in between those numbers. Then show the absolute difference between the sum of primes in odd position and primes in even position.

For example if $n_1=1$ and $n_2=10$ Output: 2, 3, 5, 7 Difference = 3

Task 2

Given an input string containing alphanumeric characters. Check whether the string is a palindrome or not. Ignore case of letters in the input.

For example:

Input: AbBa

Output: Palindrome

Task 3

Given an array of size 10. You are to take 10 inputs from the keyboard. All the number will have to be unique. If you give a duplicate number, it will not be included in the array. Finally your array will contain 10 unique number.

For Example:

Input: 5

Output: Give 9 more numbers.

Input: 5

Output: Number already exists. Give 9 more numbers.

Input: 7

Output: Give 8 more numbers.

...

...

...

Input: 26

Output: The 10 numbers are 5, 7, ..., 26

Task 4

Given 2 input strings. Check if the two strings are equal (case sensitive).

Example:

Input: abcd abcd

Output: Equal

Input: abCd abcd

Output: Not equal

Task 5

Take an integer from the user to form the following structure.

Input: 3

Output:

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