

## LAB - 3

## Question-1

Create a method that accepts 1 string, e.g. "Bob", return a greeting of the form "Hello Bob!".

`helloName("Bob")` → "Hello Bob!"

`helloName("Alice")` → "Hello Alice!"

`helloName("X")` → "Hello X!"

## Question-2

Create a method that accepts two strings, a and b, return the result of putting them together in the order abba, e.g. "Hi" and "Bye" returns "HiByeByeHi".

`makeAbba("Hi", "Bye") → "HiByeByeHi"`

`makeAbba("Yo", "Alice") → "YoAliceAliceYo"`

`makeAbba("What", "Up") → "WhatUpUpWhat"`

## Question-3

Create a method return a new string made of 3 copies of the last 2 chars of the original string. The string length will be at least 2.

`extraEnd("Hello") → "lololo"`

`extraEnd("ab") → "ababab"`

`extraEnd("Hi") → "HiHiHi"`

## Question-4

Given a string, return the string made of its first two chars, so the String "Hello" yields "He". If the string is shorter than length 2, return whatever there is, so "X" yields "X", and the empty string "" yields the empty string "".

`firstTwo("Hello")` → "He"

`firstTwo("abcdefg")` → "ab"

`firstTwo("ab")` → "ab"

## Question-5

Given a string of even length, return the first half. So the string "WooHoo" yields "Woo".

`firstHalf("WooHoo")` → "Woo"

`firstHalf("HelloThere")` → "Hello"

`firstHalf("abcdef")` → "abc"

## Question-6

Given a string, return a version without the first and last char, so "Hello" yields "ell". The string length will be at least 2.

`withoutEnd("Hello")` → "ell"

`withoutEnd("java")` → "av"

`withoutEnd("coding")` → "odin"

## Question-7

Given 2 strings, a and b, return a string of the form short+long+short, with the shorter string on the outside and the longer string on the inside.

`comboString("Hello", "hi") → "hiHellohi"`

`comboString("hi", "Hello") → "hiHellohi"`

`comboString("aaa", "b") → "baaab"`



## Question-8

Given a string, return a "rotated left 2" version where the first 2 chars are moved to the end. The string length will be at least 2.

`left2("Hello") → "lloHe"`

`left2("java") → "vaja"`

`left2("Hi") → "Hi"`

## Question-9

Given a string, return a "rotated right 2" version where the last 2 chars are moved to the start. The string length will be at least 2.

`right2("Hello")` → "loHel"

`right2("java")` → "vaja"

`right2("Hi")` → "Hi"

## Question-10

Given a string, return true if the first 2 chars in the string also appear at the end of the string, such as with "edited".

`frontAgain("edited") → true`

`frontAgain("edit") → false`

`frontAgain("ed") → true`