

JavaScript Lab 1

Upload in your GitHub account and send the link

Due Date: Wed, 30th

Create a function for each question (Total 10) in one JavaScript file. You have to submit your js file with 10 functions by the end of the class.

- ❑ Given two strings, a and b, return the result of putting them together in the order abba, e.g. "Hi" and "Bye" returns "HiByeByeHi".

(Test Cases)

```
makeAbba("Hi", "Bye") → "HiByeByeHi"  
makeAbba("Yo", "Alice") → "YoAliceAliceYo"  
makeAbba("What", "Up") → "WhatUpUpWhat"
```

- ❑ Given a string, return true if it ends in "ly".

(Test Cases)

```
endsLy("oddly") → true  
endsLy("y") → false  
endsLy("oddy") → false
```

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

(Test Cases)

```
firstHalf("WooHoo") → "Woo"  
firstHalf("HelloThere") → "Hello"  
firstHalf("abcdef") → "abc"
```

- ❑ 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.

(Test Cases)

```
right2("Hello") → "loHel"  
right2("java") → "vaja"
```

right2("Hi") → "Hi"

- ❑ Given two strings, append them together (known as "concatenation") and return the result. However, if the concatenation creates a double-char, then omit one of the chars, so "abc" and "cat" yields "abcat".

(Test Cases)

conCat("abc", "cat") → "abcat"
conCat("dog", "cat") → "dogcat"
conCat("abc", "") → "abc"

- ❑ 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".

(Test Cases)

frontAgain("edited") → true
frontAgain("edit") → false
frontAgain("ed") → true

- ❑ Given a string, return a version without the first 2 chars. Except keep the first char if it is 'a' and keep the second char if it is 'b'. The string may be any length. Harder than it looks.

(Test Cases)

deFront("Hello") → "llo"
deFront("java") → "va"
deFront("away") → "aay"

- ❑ Given a string, if one or both of the first 2 chars is 'x', return the string without those 'x' chars, and otherwise return the string unchanged. This is a little harder than it looks.

(Test Cases)

withoutX2("xHi") → "Hi"
withoutX2("Hxi") → "Hi"
withoutX2("Hi") → "Hi"

- ❑ Given 2 strings, a and b, return a new string made of the first char of a and the last char of b, so "yo" and "java" yields "ya". If either string is length 0, use '@' for its missing char.

(Test Cases)

lastChars("last", "chars") → "ls"

lastChars("yo", "java") → "ya"

lastChars("hi", "") → "h@"

- ❑ Given a string of even length, return a string made of the middle two chars, so the string "string" yields "ri". The string length will be at least 2.

(Test Cases)

middleTwo("string") → "ri"

middleTwo("code") → "od"

middleTwo("Practice") → "ct"