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AND THE FUNCTION WORKS WITH THE COPY - NOT THE ORIGINAL.



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AND THE FUNCTION WORKS WITH THE COPY - NOT THE ORIGINAL.

EVEN IF THE FUNCTION MODIFIES THE VARIABLE, THE ORIGINAL IS UNCHANGED.



EXAMPLE 30: OBJECTS AND ARRAYS ARE 'PASSED-BY-REFERENCE' TO FUNCTIONS

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OBJECTS AND ARRAYS - UNLIKE NUMBERS OR STRINGS - ARE PASSED IN "AS-IS" TO FUNCTIONS

SO THE FUNCTION WORKS WITH THE ORIGINAL - NOT A COPY

RECAP

EXAMPLE 30: OBJECTS AND ARRAYS ARE 'PASSED-BY-REFERENCE' TO FUNCTIONS

OBJECTS AND ARRAYS - UNLIKE NUMBERS OR STRINGS - ARE PASSED IN "AS-IS" TO FUNCTIONS

SO THE FUNCTION WORKS WITH THE ORIGINAL - NOT A COPY

IF THE FUNCTION MODIFIES THE VARIABLE, THE ORIGINAL IS INDEED CHANGED!



STRINGS

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STRINGS ARE OBJECTS - THEY HAVE A HOST OF HELPFUL PROPERTIES THAT WE USE ALL THE TIME

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ANY OPERATION YOU PERFORM THAT SEEMS TO CHANGE A STRING - CREATES A NEW STRING!

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THIS IS BECAUSE STRINGS ARE "IMMUTABLE OBJECTS" (LIKE IN JAVA)

YOU CAN NEVER CHANGE A STRING, ONLY CREATE A NEW ONE.

SO EVEN THOUGH STRINGS ARE PASSED BY REFERENCE, THEY CAN NEVER BE MODIFIED

(AND REASSIGNMENTS OF OBJECTS DON'T REFLECT ANYWAY!)

```
var firstName = "Vitthal";
 var lastName = 'Srinivasan';
 // concatenation
 var fullName = firstName + " " + lastName;
 console.log("Combine firstName " + firstName + " and lastName " + lastName + " into fullName = " +
fullName);
 // find substring position
 var positionOfLastName = fullName.indexOf(lastName);
 console.log("Inside " + fullName + " the string " + lastName + " occurs at position " +
positionOfLastName);
 var nickName = "Humpty Dumpty";
 var nameParts = fullName.split(" ");
  console.log("Fullname split into words (delimited by space) " + nameParts);
  fullName = nickName + " " + nameParts[1];
 console.log("Reconstructed fullname = " + fullName);
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var fullName = firstName +
consol
fullName
// fin
var po
consol
Fullname split into words (delimited by space) Vitthal,Srinivasan

Reconstructed fullname = Humpty Dumpty Srinivasan
Page 12.7

Page 2.7

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