Solution Review: Palindromic Arrays

This lesson explains the solution for the palindromic arrays exercise.

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    WE'LL COVER THE FOLLOWING
    Solution 1: Indexing
    Solution 2: Using get() and set() Properties
    Solution 3: New let Binding
```

There are several ways to go about this challenge. You can choose any one of them depending on your preference.

Solution 1: Indexing

Since newarray1 and newarray2 had already been created, we could replace their values by indexing:

```
let inputArray1 = [| 0, 1, 2, 3 |];
let inputArray2 = [| 40, 20, 20 |];
let outputArray1 = Array.make(7, 0);
let outputArray2 = Array.make(5, 0);
/* Solution 1 */
outputArray1[0] = inputArray1[0];
outputArray1[1] = inputArray1[1];
outputArray1[2] = inputArray1[2];
outputArray1[3] = inputArray1[3];
outputArray1[4] = inputArray1[2];
outputArray1[5] = inputArray1[1];
outputArray1[6] = inputArray1[0];
outputArray2[0] = inputArray2[0];
outputArray2[1] = inputArray2[1];
outputArray2[2] = inputArray2[2];
outputArray2[3] = inputArray2[1];
outputArray2[4] = inputArray2[0];
Js.log(outputArray1);
Js.log(outputArray2);
```

Solution 2: Using get() and set() Properties

An alternative to directly assigning the values through indices would be to use Array.set() and Array.get().

Since we are assigning values to the <code>outputArray</code> s, we will use them in the <code>Array.set()</code> function. The third part of <code>Array.set()</code> requires the value which we need to assign. Therefore, we'll use <code>Array.get()</code> on the <code>inputArray</code> s here.

```
let inputArray1 = [ | 0, 1, 2, 3 | ];
let inputArray2 = [| 40, 20, 20 |];
let outputArray1 = Array.make(7, 0);
let outputArray2 = Array.make(5, 0);
/* Solution 2 */
Array.set(outputArray1, 0, Array.get(inputArray1, 0));
Array.set(outputArray1, 1, Array.get(inputArray1, 1));
Array.set(outputArray1, 2, Array.get(inputArray1, 2));
Array.set(outputArray1, 3, Array.get(inputArray1, 3));
Array.set(outputArray1, 4, Array.get(inputArray1, 2));
Array.set(outputArray1, 5, Array.get(inputArray1, 1));
Array.set(outputArray1, 6, Array.get(inputArray1, 0));
Array.set(outputArray2, 0, Array.get(inputArray2, 0));
Array.set(outputArray2, 1, Array.get(inputArray2, 1));
Array.set(outputArray2, 2, Array.get(inputArray2, 2));
Array.set(outputArray2, 3, Array.get(inputArray2, 1));
Array.set(outputArray2, 4, Array.get(inputArray2, 0));
Js.log(outputArray1);
Js.log(outputArray2);
```

Solution 3: New let Binding

We could also create new arrays by redefining newarray1 and newarray1 and newarray1 and newarray1 and newarray1 and newarray2 . In this case, we would need to specify the values in the new let bindings:

```
let inputArray1 = [| 0, 1, 2, 3 |];
let inputArray2 = [| 40, 20, 20 |];
let outputArray1 = Array.make(7, 0);
let outputArray2 = Array.make(5, 0);

/* Solution 3 */
let outputArray1 = [| 0, 1, 2, 3, 2, 1, 0 |];
let outputArray2 = [| 40, 20, 20, 20, 40|];
```

Js.log(outputArray1);
Js.log(outputArray2);







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