




## Array Methods Assignment Questions




**Question 1:** Convert the array `arr = [1, 2, 3, 4, 5]` into a string with each element separated by a hyphen (-).

main.js	   Share	Run	Output
<pre>1 let arr = [1, 2, 3, 4, 5] 2 3 console.log(arr.join('-'))</pre>			<pre>node /tmp/QLrPYtgMGI.js 1-2-3-4-5</pre>

**Question 2:** Join the array `names = ["Alice", "Bob", "Charlie"]` into a single string with each name separated by a comma (,).

main.js	   Share	Run	Output
<pre>1 let names = ["Alice", "Bob", "Charlie"] 2 3 console.log(names.join(','))</pre>			<pre>node /tmp/b4UusDNbVM.js Alice,Bob,Charlie</pre>

**Question 3:** Remove the last element from the array `arr = [1, 2, 3, 4, 5]`.

main.js	   Share	Run	Output
<pre>1 let arr = [1, 2, 3, 4, 5] 2 3 let num = arr.pop() 4 5 console.log(arr)</pre>			<pre>node /tmp/jHmIJq25xT.js [ 1, 2, 3, 4 ]</pre>

**Question 4:** Add the number 6 to the end of the array `arr = [1, 2, 3, 4, 5]`.

main.js	Run	Output
<pre>1 let arr = [1, 2, 3, 4, 5] 2 3 let num = arr.push(6) 4 5 console.log(arr)</pre>		<pre>node /tmp/AzEkgA8nGv.js [ 1, 2, 3, 4, 5, 6 ]</pre>

**Question 5:** Remove the first element from the array `arr = [1, 2, 3, 4, 5]`.

main.js	Run	Output
<pre>1 let arr = [1, 2, 3, 4, 5] 2 3 let num = arr.shift(1) 4 5 console.log(arr)</pre>		<pre>node /tmp/L9qe30sf23.js [ 2, 3, 4, 5 ]</pre>

**Question 6:** Add the number 0 to the beginning of the array `arr = [1, 2, 3, 4, 5]`.

main.js	Run	Output
<pre>1 let arr = [1, 2, 3, 4, 5] 2 3 let num = arr.unshift(0) 4 5 console.log(arr)</pre>		<pre>node /tmp/j5soMPi70f.js [ 0, 1, 2, 3, 4, 5 ]</pre>

**Question 7:** Delete the element at index 2 from the array `arr = [1, 2, 3, 4, 5]`.

main.js	Run	Output
<pre>1 let arr = [1, 2, 3, 4, 5] 2 3 let num = arr.splice(2,1) 4 5 console.log(arr)</pre>		<pre>node /tmp/FIMmuJj102.js [ 1, 2, 4, 5 ]</pre>

**Question 8:** Merge the arrays `arr1 = [1, 2, 3]` and `arr2 = [4, 5, 6]`

main.js	Run	Output
<pre>1 const arr1 = [1, 2, 3] 2 const arr2 = [4, 5, 6] 3 4 let result = arr1.concat(arr2) 5 6 console.log(result)</pre>		<pre>node /tmp/aXoJPdc1lu.js [ 1, 2, 3, 4, 5, 6 ]</pre>

**Question 9:** Sort the array `arr = [5, 3, 8, 1, 2]` in ascending order.

main.js	Output
<pre>1 let arr = [5, 3, 8, 1, 2] 2 3 let sorte = arr.sort() 4 5 console.log(sorte)</pre>	<pre>node /tmp/x937FwAoue.js [ 1, 2, 3, 5, 8 ]</pre>

**Question 10:** Remove 2 elements starting at index 1 from the array `arr = [1, 2, 3, 4, 5]` and insert the numbers 6 and 7 at that position.

main.js	Output
<pre>1 let arr = [1, 2, 3, 4, 5] 2 3 let num = arr.splice(1,2,6,7) 4 5 console.log(arr)</pre>	<pre>node /tmp/UfGndgZ1L0.js [ 1, 6, 7, 4, 5 ]</pre>

**Question 11:** Create a new array from `arr = [1, 2, 3, 4, 5]` containing elements from index 1 to 3.

main.js	Output
<pre>1 let arr = [1, 2, 3, 4, 5] 2 3 let num = arr.slice(1,4) 4 5 console.log(num)</pre>	<pre>node /tmp/0ACd8Yi0YU.js [ 2, 3, 4 ]</pre>

**Question 12:** Reverse the elements of the array `arr = [1, 2, 3, 4, 5]`.

main.js	Output
<pre>1 let arr = [1, 2, 3, 4, 5] 2 3 let num = arr.reverse() 4 5 console.log(num) 6 7</pre>	<pre>node /tmp/NOYopT4ocV.js [ 5, 4, 3, 2, 1 ]  === Session Ended. Please Run the code again ===</pre>

**Question 13:** Check if the array `arr = [1, 2, 3, 4, 5]` contains the number 3.

main.js	Run	Output
<pre>1 let arr = [1, 2, 3, 4, 5] 2 3 let num = arr.includes(3) 4 5 console.log(num) 6</pre>		<pre>node /tmp/jeHPiA65uW.js true  </pre>

**Question 14:** Find the index of the first occurrence of the number 3 in the array `arr = [1, 2, 3, 4, 5]`.

main.js	Run	Output
<pre>1 let arr = [1, 2, 3, 4, 5] 2 3 let num = arr.indexOf(3) 4 5 console.log(num) 6</pre>		<pre>node /tmp/pMKbXybfUJ.js 2  </pre>

## String Methods Assignment Questions

**Question 1:** Get the character at index 2 in the string `str = "hello"`.

main.js	Output
<pre>1 let str = "hello" 2 3 let word = str.charAt(2) 4 5 console.log(word) 6</pre>	<pre>node /tmp/u900Aglx0W.js 1</pre>

**Question 2:** Get the Unicode of the character at index 1 in the string `str = "hello"`.

main.js	Output
<pre>1 let str = "hello" 2 3 let word = str.charCodeAt(1) 4 5 console.log(word) 6</pre>	<pre>node /tmp/vMa4Jd3ZaJ.js 101</pre>

**Question 3:** Replace all occurrences of the word "apple" with "orange" in the string `str = "apple apple"`.

main.js	Output
<pre>1 let str = "apple apple" 2 3 let rep = str.replaceAll('apple','orange') 4 5 console.log(rep)</pre>	<pre>node /tmp/hua0dPCei3.js orange orange</pre>

**Question 4:** Extract the part of the string `str = "hello world"` from index 0 to 5.

main.js	Output
<pre>1 let str = "hello world" 2 3 let ex = str.substring(0,5) 4 5 console.log(ex)</pre>	<pre>node /tmp/r8itxD4QXL.js hello</pre>

**Question 5:** Split the string `str = "a,b,c"` into an array of substrings separated by a comma.

main.js	Output
<pre>1 let str = "a,b,c" 2 3 let ok = str.split(",") 4 5 console.log(ok)</pre>	<pre>node /tmp/PIe0h13fXs.js [ 'a', 'b', 'c' ] === Session Ended. Please Run the code again ===</pre>

**Question 6:** Extract 4 characters from the string `str = "hello world"` starting at index 6.

main.js	Output
<pre>1 let str = "hello world" 2 3 let ok = str.substr(6) 4 5 console.log(ok)</pre>	<pre>node /tmp/22FF0aFLMY.js world</pre>

**Question 7:** Extract characters from the string `str = "hello world"` from index 2 to 7.

main.js	Output
<pre>1 let str = "hello world" 2 3 let ok = str.substr(6) 4 5 console.log(ok)</pre>	<pre>node /tmp/22FF0aFLMY.js world</pre>

**Question 8:** Get the length of the string `str = "hello"`.

main.js	Output
<pre>1 let str = "hello" 2 3 let le = str.length 4 console.log(le)</pre>	<pre>node /tmp/sAzWdz4XeS.js 5</pre>

**Question 9:** Convert the string `str = "HELLO"` to lowercase.

main.js	Output
<pre>1 let str = "HELLO" 2 3 let low = str.toLowerCase() 4 5 console.log(low) 6 7</pre>	<pre>node /tmp/aM6DC1BDPq.js hello  </pre>

**Question 10:** Convert the string `str = "hello"` to uppercase.

main.js	Output
<pre>1 let str = "HELLO" 2 3 let low = str.toLowerCase() 4 5 console.log(low) 6 7</pre>	<pre>node /tmp/aM6DC1BDPq.js hello  </pre>