

## 29. My Array.

filename: array.js

- a) Create a list named `my_array`, which should contain numeric values `[3, 132, 14]`.
- b) Use `console.log()` to print the first item in `my_array` (ie item 0).
- c) Create a new list with an optional name. Leave it blank.
- d) Use `push()` to add the strings "hello" and "world!" in the last array.
- e) Use `console.log()` to print the entire last array.

Solution:

```
// a)
var my_array = [3, 132, 14];
// b)
console.log(my_array[0]);
// c)
var array2 = [];
// d)
array2.push("Hello");
array2.push("World!");
// e)
console.log(array2);
```

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## 30. String -array with months.

filename: months.js

- Write a script that contains a String array that contains all the month names.
- Receive an integer from the user and print which month this corresponds to.
- Add an error message if the number is not a valid choice.

Solution:

```
const months = ["January", "February", "March", "April", "May", "June",  
"July", "August", "September", "October", "November", "December"];  
  
var inp = prompt("Enter month number:");  
var numb= parseInt(inp);  
if (numb > 0 && numb < 13 ) {  
    console.log(numb + "-" + months[numb-1]);  
}  
else {  
    console.log("Invalid monthly number");  
}
```

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## 31. Simple matrix.

filename: matrix.js

Given the nested array.

- `var nestedArray = [[1,2,3], [4,5,6], [7,8,9]];`

Write a script to retrieve and print the numbers 1,6 and 8 from the nested array.

Solution:

```
var nestedArray = [[1,2,3], [4,5,6], [7,8,9]];  
  
console.log(nestedArray[0][0]);  
console.log(nestedArray[1][2]);  
console.log(nestedArray[2][1]);
```

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