

Design a function that counts “E’s” in a user entered phrase.

# Counting EEEE's in a string.

```
function countE () {
```

```
    {
```

```
        ;
```

```
    }
```

```
    {
```

```
        {
```

```
            {
```

```
        }
```

```
    }
```

```
}
```

```
}
```

# Counting EEEE's in a string.

```
function countE () {  
    var phrase = prompt("Which phrase would you like us to examine?");  
    if ( typeof(phrase) != "string"){  
        alert("That's not a valid entry!");  
        return false;  
  
    } else {  
  
        var eCount = 0;  
        for (var index = 0; index < phrase.length; index++) {  
            if (phrase.charAt(index) == 'e' || phrase.charAt(index) == 'E') {  
                eCount++;  
            }  
        }  
        alert("there are " + eCount + " E's in \"" + phrase + "\".");  
        return true;  
    }  
}
```

# Adjusting an Array

In the following Array, set one value of the Array so that it will be a list of numbers in order.

```
var list = [1, 2, 3, 7, 5, 6, 7, 8, 9];
```

# Array Functions

Using the specific array function that adds data to the back end of the array, add the next number to your newly corrected list.

```
var list = [1, 2, 3, 7, 5, 6, 7, 8, 9];
```

# Building Arrays

Create an array called values that contains the following contents in order:

- a String
- a Number
- a Boolean

# More Array Functions

Now using the specific array function that takes a piece of data off the back of an array, remove the last entry from your values array and store the result in a variable called bool.

# 2D Arrays

Check out the following setup. Enter a line of code that declares a variable called `infant` and accesses the word "Baby" from `eightiesMovies` without making any changes to either element inside the array.

```
var movie1 = [16, "Candles"];  
var movie2 = [3, "Men", "and", "a", "Baby"];  
var eightyiesMovies = [movie1, movie2];
```



# 2D Arrays II

Now alert a string with the full title of the first movie in the `eightiesMovies` array, but only using the `eightiesMovies` variable to access the correct values. Use the concatenation operator to unite the words into one string, and remember to be attentive to necessary whitespace!

```
var movie1 = [16, "Candles"];  
var movie2 = [3, "Men", "and", "a", "Baby"];  
var eightyiesMovies = [movie1, movie2];
```