

Repeating Code Examples

Use a **for loop** to **ITERATE** (go through) an array.

```
var brightestStars = [ ];  
var brightestStars[0] = "Sirius";  
var brightestStars[1] = "Canopus";  
var brightestStars[2] = "Arcturus";  
var brightestStars[3] = "Rigel";  
var brightestStars[4] = "Vega";
```

REMINDER: Arrays begins at index [0]

	0	1	2	3	4
brightestStars	brightestStars[0]	brightestStars[1]	brightestStars[2]	brightestStars[3]	brightestStars[4]
	Sirius	Canopus	Arcturus	Rigel	Vega

for loop that iterates through the array to print the contents of the **brightestStars** [array]

```
var brightestStars = [ ];  
var brightestStars[0] = "Sirius";  
var brightestStars[1] = "Canopus";  
var brightestStars[2] = "Arcturus";  
var brightestStars[3] = "Rigel";  
var brightestStars[4] = "Vega";
```

1. Initialize array.
2. Assign values to array.
- 3. Use a for loop to iterate through the array.**

```
for (var count = 0; count < brightestStars.length; count++)  
{  
    document.write(brightestStars[count] + "<br/>");  
}
```

while loop that iterates through the array to print the contents of the **brightestStars** [array]

```
var brightestStars = [ ];  
var brightestStars[0] = "Sirius";  
var brightestStars[1] = "Canopus";  
var brightestStars[2] = "Arcturus";  
var brightestStars[3] = "Rigel";  
var brightestStars[4] = "Vega";
```

```
var count = 0;  
while (count < brightestStars.length)  
{  
    document.write(brightestStars[count] + "<br/>");  
    count = count + 1;  
}
```

1. Initialize array.
2. Assign values to array.
3. Initialize count as a counter.
- 4. Use a while loop to iterate through the array.**