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## Arrays with “for” loop

- by Harsha Vardhan

### Arrays with For Loop

- For loop starts with an "initialization"; checks the condition; executes the loop body and then performs incrementation or decrementation;
- Use "for loop" to read elements from an array, based on index.

		Array
<b>i = 0</b>	<b>a[0]</b>	<b>value0</b>
<b>i = 1</b>	<b>a[1]</b>	<b>value1</b>
<b>i = 2</b>	<b>a[2]</b>	<b>value2</b>
<b>i = 3</b>	<b>a[3]</b>	<b>value3</b>
<b>i = 4</b>	<b>a[4]</b>	<b>value4</b>
<b>i = 5</b>	<b>a[5]</b>	<b>value5</b>
<b>i = 6</b>	<b>a[6]</b>	<b>value6</b>

#### Array - For Loop

```
for (int i = 0; i < arrayVariable.Length; i++)  
{  
    arrayVariable[i]  
}
```

## Pros and Cons of For Loop

- **Pros:**
  - You can read any part of the array (all elements, start from specific element, end with specific element).
  - You can read array elements in reverse.
- **Cons:**
  - A bit complex syntax.