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Arrays with “foreach” loop

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Arrays with “foreach” Loop

- Foreach loop starts contains an "iteration variable"; reads each value of an array or collection and assigns to the "iteration variable", till end of the array / collection.
- "Foreach loop" is not based on index; it is based on sequence.

	Array
i = value0	value0
i = value1	value1
i = value2	value2
i = value3	value3
i = value4	value4
i = value5	value5
i = value6	value6

Array - ForEach Loop

```
foreach (DataType iterationVariable in arrayVariable)
{
    iterationVariable
}
```

Pros and Cons of “foreach” Loop

- **Pros:**
 - Simplified Syntax
 - Easy to use with arrays and collections.
- **Cons:**
 - Slower performance, due to it treats everything as a collection.
 - It can't be used to execute repeatedly, without arrays or collections.
 - It can't read part of array / collection, or read array / collection reverse.