

Lesson 5: Data Persistence and Manipulation

For each

The **foreach** statement is new and is used to iterate or move through a collection, such as an array. It does not require a loop control variable to be incremented and tested to determine when all data has been processed. The foreach loop offers another option for traversing through the array. To use the foreach statement, a collection must be available.

```
int[] numbers = { 4, 5, 6, 1, 2, 3, -2, -1, 0 };  
foreach (int i in numbers)  
{  
    System.Console.Write("{0} ", i);  
}  
// Output: 4 5 6 1 2 3 -2 -1 0
```