**Useful C# Array information:**

Array definition like variable but with square brackets:

int[] luckyNumbers = { 4, 8, 15, 16, 23, 42 };

*arrayName*[*index*] – References a certain value in the array:  
Console.WriteLine( luckyNumbers[0]);  
luckyNumbers[2] = 900;

{ 4, 8, 900, 16, 23, 42};

Array definition without definite values at initialization:

string[] friends = new string[*number of elements that will be held*];  
  
string[] friends = new string[3];friends[0] = "Jim";

friends[1] = "Kelly";

friends[2] = "Roger";

**To iterate through an Array (and print out each element):**

foreach (var item in friends)

{

Console.WriteLine(item.ToString());

}

**Jim  
Kelly  
Roger**