**读取数组指定下标元素的值，数组的下标从0~Length-1**

string[] names = {"marry", "john", "smith", "lucky", "palm"};

string name = names[3]; //读取下标为3(第4个)的元素的值，"lucky"

**修改数组指定下标元素的值，数组的下标从0~Length-1**

**设置下标为1(第2个)的元素的值，数组变为"marry", "tom", "smith", "lucky", "palm"**

string[] names = {"marry", "john", "smith", "lucky", "palm"};

names[1] = "tom"; // john->tom

**遍历数组中的每个元素**

int[] arr = new int[5];

// 将数组中的元素设为1~n的平方

for (int i=0; i<arr.Length; i++) // i代表数组的下标，范围是0~Length-1

{

arr[i] = (i+1) \* (i+1);

}

for (int i=0; i<arr.Length; i++)

{

Console.Write (arr[i] + "\t");

}

Console.WriteLine ();