

Two dimensional indexer

```
using System;
```

```
class MultiplicationTable {
```

```
private int[,] MultiplicationArray = new int[10, 10];
```

```
public int this[int x, int y] {
```

```
get {
```

```
return MultiplicationArray[x, y];
```

```
}
```

```
set {
```

```
MultiplicationArray[x, y] = value;
```

```
}
```

```
}
```

```
public MultiplicationTable() {
```

```
for (int i = 0; i < 10; i++) { for (int y = 0; y < 10; y++) {
```

```
MultiplicationArray[i, y] = i * y; } } } } class
```

```
MultiplicationTableClient { public static void Main(String[]
```

```
args) { MultiplicationTable MyTable = new
```

```
MultiplicationTable(); Console.Write("3 x 9 is " + MyTable[3,
```

```
9]); } } [/csharp]
```