VECTORES Y MATRICES

Colecciones de datos

Java

```java
4  class HelloWorld {
5      public static void main(String[] args) {
6          int [] array = new int [3]; //array
7          int [][] matriz = new int [3][3]; //matriz
8      }
9  }
```

C#

```csharp
4   using System;
5
6   public class HelloWorld
7   {
8       public static void Main(string[] args)
9       {
10          int[] vector = new int[3];
11          int[,] matriz = new int[2, 2];
12      }
13  }
```

Python

```python
1   matriz = [[1, 2, 3],
2             [4, 5, 6]]
3
4   array = [1, 2, 3]
```

Visual Basic

```vb
1  Public Module Program
2      Public Sub Main(args() As string)
3          Dim matriz(1, 1) As Integer
4          matriz(0, 0) = 1
5          matriz(0, 1) = 2
6          matriz(1, 0) = 1
7          matriz(1, 1) = 2
8      End Sub
9  End Module
```

```vb
1  Public Module Program
2      Public Sub Main(args() As string)
3          Dim vector(2) As Integer
4          vector(0) = 10
5          vector(1) = 20
6          vector(2) = 30
7      End Sub
8  End Module
```

PHP

```php
3  <?php
4  $array = [
5      "foo" => "bar",
6      "bar" => "foo",
7  ];
8  var_dump($array);
9  ?>
```

```php
3   <?php
4   $matriz = [
5       [1, 2, 3],
6       [4, 5, 6],
7       [7, 8, 9]
8   ];
9   var_dump($matriz);
10  ?>
```

★★★★★★☆☆☆☆☆☆☆☆☆☆