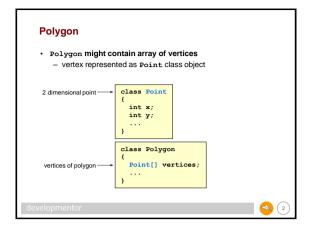
### 8: Indexers

12/01/2003





# 

```
Indexer definition syntax

Indexer definition specifies:
- access level
- type of data being indexed
- keyword this
- parameters in []
- accessors in {}

class Polygon
{
...
public Point this [int i] { ... }
}

developmentor
```

```
Accessor options

• Can control access by selectively providing accessors

- set for write access

- get for read access

- both for read/write

- must provide at least one

class Polygon
{
...
public Point this [int i]
{
set { ... }
get { ... }
}
developmentor
```

### 8: Indexers

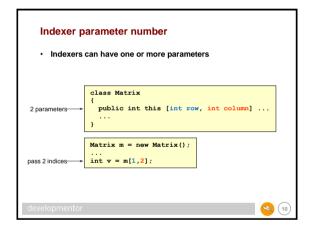
12/01/2003

# 

```
Indexer parameters

Indexer parameter out

Indexe
```



```
Indexer overloading

Indexer can be overloaded
Indexer can be overload
```

```
No static indexers

Indexers cannot be static

must be applied to object

class Polygon
{
public static Point this [int i] { ... }
...
}

developmentor
```

## 8: Indexers

12/01/2003

# Indexer implementation Indexers are compiled into property named Item C# programs must use indexer exposed to other .NET languages as property compiled to property named Item class Polygon { public Point this [int i] } ... } ... } developmentor