

[WiX managed SDK](#)[WixToolset.Dtf.WindowsInstaller.Linq namespace](#)[QRecord Class](#)

# QRecord Class

Generic record entity for queryable databases, and base for strongly-typed entity subclasses.

## Methods

Method	Description
<a href="#">Assign()</a>	Not yet implemented.
<a href="#">Delete()</a>	Deletes the record from the table if it exists.
<a href="#">I(index)</a>	Used by subclasses to get a field as an integer.
<a href="#">Insert()</a>	Inserts the record in the database.
<a href="#">Insert(temporary)</a>	Inserts the record into the table.
<a href="#">Merge()</a>	Not yet implemented.
<a href="#">NI(index)</a>	Used by subclasses to get a field as a nullable integer.

Method	Description
<code>Refresh()</code>	Not yet implemented.
<code>ToString()</code>	Dumps all record fields to a string.
<code>Validate()</code>	Not yet implemented.
<code>ValidateDelete()</code>	Not yet implemented.
<code>ValidateFields()</code>	Not yet implemented.
<code>ValidateNew()</code>	Not yet implemented.

## Properties

Property	Description
<code>FieldCount</code>	Gets the number of fields in the record.
<code>Item</code>	Gets or sets a record field.
<code>Item</code>	Gets or sets a record field.

## Remarks

Several predefined specialized subclasses are provided for common standard tables. Subclasses for additional standard tables or custom tables are not necessary, but they are easy to create and make the coding experience much nicer. When creating subclasses, the following attributes may be useful: «see `T:WixToolset.Dtf.WindowsInstaller.Linq.DatabaseTableAttribute`» , «see `T:WixToolset.Dtf.WindowsInstaller.Linq.DatabaseColumnAttribute`»

`WixToolset.Dtf.WindowsInstaller.Linq.dll` version `4.0.2+644ed0118bae1aa885bb6cc906dc6c0b904de4d9`

## Assign() Method

Not yet implemented.

## Declaration

```
public void Assign()
```

## Delete() Method

Deletes the record from the table if it exists.

## Declaration

```
public void Delete()
```

Used by subclasses to get a field as an integer.

## Declaration

```
protected int I(  
    int index  
)
```

## Parameters

Parameter	Type	Description
index	int	zero-based column index of the field

## Insert() Method

Inserts the record in the database.

## Declaration

```
public void Insert()
```

## Remarks

The record (primary keys) may not already exist in the table. Use «see M:WixToolset.Dtf.WindowsInstaller.Linq.QTable`1.NewRecord» to get a new record. Primary keys and all required fields must be filled in before insertion.

## Insert(temporary) Method

Inserts the record into the table.

## Declaration

```
public void Insert(  
    bool temporary  
)
```

## Parameters

Parameter	Type	Description
temporary	bool	true if the record is temporarily inserted, to be visible only as long as the database is open

## Remarks

The record (primary keys) may not already exist in the table. Use «see M:WixToolset.Dtf.WindowsInstaller.Linq.QTable`1.NewRecord»

to get a new record. Primary keys and all required fields must be filled in before insertion.

## Merge() Method

Not yet implemented.

### Declaration

```
public bool Merge()
```

## NI(index) Method

Used by subclasses to get a field as a nullable integer.

### Declaration

```
protected System.Nullable<System.Int32> NI(  
    int index  
)
```

### Parameters

Parameter	Type	Description
index	int	zero-based column index of the field

## Refresh() Method

Not yet implemented.

### Declaration

```
public void Refresh()
```

## ToString() Method

Dumps all record fields to a string.

### Declaration

```
public string ToString()
```

## Validate() Method

Not yet implemented.

## Declaration

```
public System.Collections.Generic.ICollection<WixToolset.Dtf.WindowsInstaller.ValidationErrorInfo>  
Validate()
```

## ValidateDelete() Method

Not yet implemented.

## Declaration

```
public System.Collections.Generic.ICollection<WixToolset.Dtf.WindowsInstaller.ValidationErrorInfo>  
ValidateDelete()
```

## ValidateFields() Method

Not yet implemented.

## Declaration

```
public System.Collections.Generic.ICollection<WixToolset.Dtf.WindowsInstaller.ValidationErrorInfo>
```



```
ValidateFields()
```

## ValidateNew() Method

Not yet implemented.

### Declaration

```
public System.Collections.Generic.ICollection<WixToolset.Dtf.WindowsInstaller.ValidationErrorInfo>  
ValidateNew()
```

## FieldCount Property

Gets the number of fields in the record.

### Declaration

```
public int FieldCount { get; set; }
```

## Item Property

Gets or sets a record field.

## Declaration

```
public string Item[  
    string field  
] { get; set; }
```

## Parameters

Parameter	Type	Description
field	string	column name of the field

## Remarks

Setting a field value will automatically update the database.

## Item Property

Gets or sets a record field.

## Declaration

```
public string Item[  
    int index
```

```
] { get; set; }
```

## Parameters

Parameter	Type	Description
index	int	zero-based column index of the field

## Remarks

Setting a field value will automatically update the database.