





## Helpers Introduced in Delphi to support.NET -.NET class hierarchy difers of Win32 -Methods, functions and properties were different or missing Class helpers can make these extensions Now also available as Record helpers

## Helpers Helpers (class of record) function as long as the helper is visible to the user So: Helper in the same unit, or helper in a unit in the uses list

```
type
TDataSetHelper = class helper for TDataSet
public
//1 Returns first field that matches,
// if no matching field then exception
function FieldByAnyName(
const FieldNames: array of WideString): TField;
//1 Support for ... in loop providing TDataSetRecord
function GetEnumerator: TDataSetEnumerator;
end;

TParamsHelper = class helper for TParams
public
function ParameterByAnyName(
const ParameterNames: array of WideString): TParam;
end;

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```

```
type
   TDataSetEnumerator = class
   strict private
   FDataSet: TDataSet;
   FFirstItem: Boolean;
   FEmpty: Boolean;
   public
      constructor Create(const DataSet: TDataSet);
      function GetCurrent: TDataSetRecord;
      function MoveNext: Boolean;
      //1 Mark the for ... in
      // enumeration result as TDataSetRecord
      property Current: TDataSetRecord
      read GetCurrent;
   end;

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```

























































