

Coding Conventions

C#, Onix Work

Coding Conventions SQL Server

# Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| No | Date | Content | Author |
| 1 | 30.10.2018 | Create first version | nt |
|  |  |  |  |

# Approvals

|  |  |  |  |
| --- | --- | --- | --- |
| No | Date | Role | Approved By |
|  |  |  |  |

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# Introduction

## Purpose

The purpose of this document is describing about our code conventions

## Related Documents

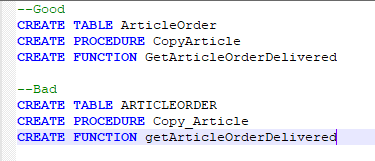
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# **C#, Onix Work**

### Naming Conventions

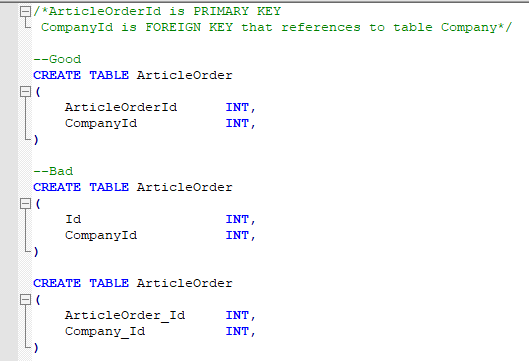
All databases objects (except keys, indexes) should be named by following rule:

* Pascal Case.
* Avoid blank space, special characters in name.
* Avoid using underscore between words.
* Avoid using any prefix, for example v for view, sp for stored procedure, f for function, etc.



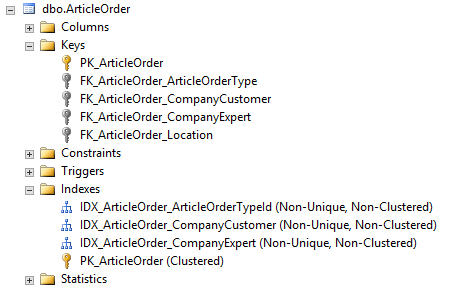
1. Table, View, Columns

* Column which is Primary Key, auto-increamenting, identity integer value is named as <TableName>Id.
* Columns which are Foreign Key are named as <RefTableName>Id.
* Use singular noun for table name.



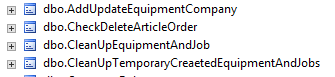
1. Key and Index

* Keys should be created manually to avoid random name by system.
* Have underscore between key type and table name.
* Have prefix PK\_ if it is primary key, FK\_ if it is foreign key, IDX\_ if it is an index.
* Key and Index should be named as <Type of Key>\_<TableName>\_<ColumnName>

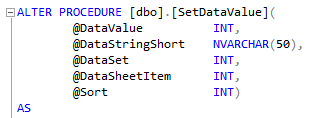


1. Stored Procedure and Function

* Should be named as <Action><Object>



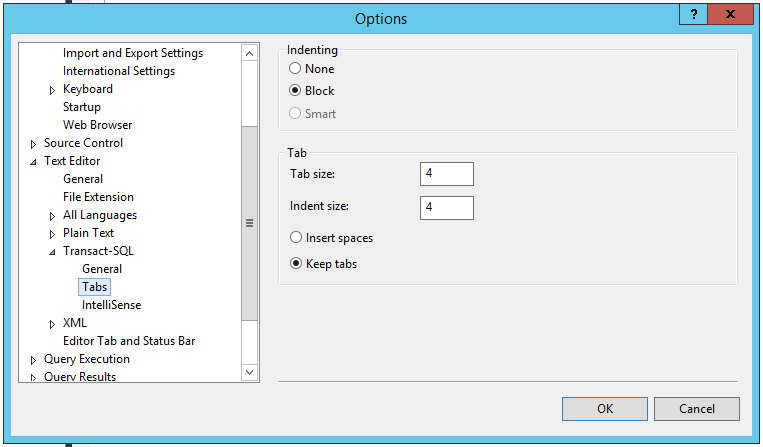
* Parameters should be named follow common rule.



### Indentation

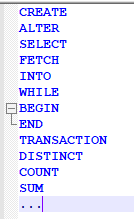
Use four (4) space indents for blocks.

Use four (4) for tabs.

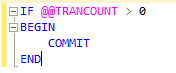


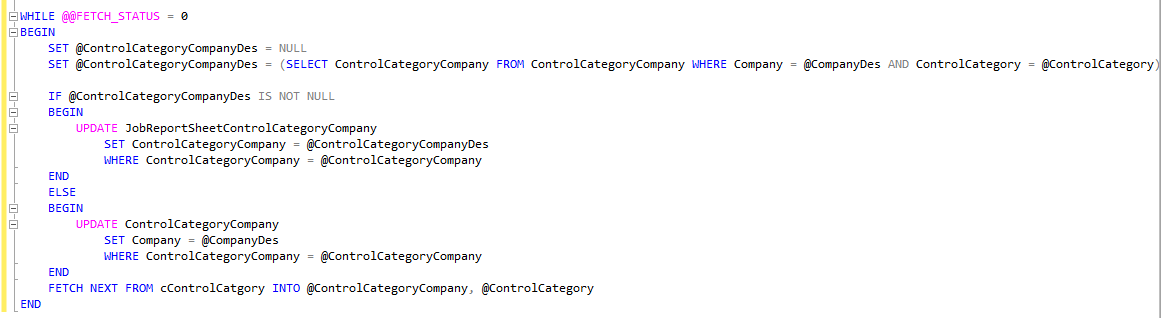
### Layout

* All SQL keywords are capitalized:



* Code block between BEGIN and END should have one (1) tab compared with BEGIN/END

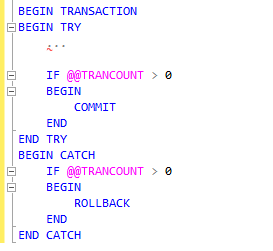




* Use as much as alias in Select statement.

### Exception Handling

Try to wrap all UPDATE/INSERT/DELETE statement in a TRY … CATCH block with transaction.



### Comment

Standard comment MUST be added at the first-time stored procedure or function created. Comment should be place on the top of the stored procedure/function to explain its purpose and meaning/usage of parameters if there is any.

-- =============================================

-- Name: <Name of SP or Function>

-- Description: <Description>

-- Parameters:

-- @Param1: <Meaning/Usage>

-- @Param2: <Meaning/Usage>

-- =============================================

Whenever the code needs to be updated or added more, a comment should be added to describe the change. Moreover, bugs/feature Id should be included in comment.

-- =============================================

-- Name: <Name of SP or Function>

-- Description: <Description>

-- Parameters:

-- @Param1: <Meaning/Usage>

-- @Param2: <Meaning/Usage>

-- =============================================

-- =============================================

-- Fix bug 01

-- Description <Description>

--

-- Fix bug 02

-- Description <Description>

-- =============================================