MsSQL - Create Database Table from Code

```sql
declare @TableName sysname = 'TableName'
declare @Result varchar(max) = 'public class ' + @TableName + '
{'

select @Result = @Result + '
    public ' + ColumnType + NullableSign + ' ' + ColumnName + ' { get; set; }
'
from
(
    select
        replace(col.name, ' ', '_') ColumnName,
        column_id ColumnId,
        case typ.name
            when 'bigint' then 'long'
            when 'binary' then 'byte[]'
            when 'bit' then 'bool'
            when 'char' then 'string'
            when 'date' then 'DateTime'
            when 'datetime' then 'DateTime'
            when 'datetime2' then 'DateTime'
            when 'datetimeoffset' then 'DateTimeOffset'
            when 'decimal' then 'decimal'
            when 'float' then 'double'
            when 'image' then 'byte[]'
            when 'int' then 'int'
            when 'money' then 'decimal'
            when 'nchar' then 'string'
            when 'ntext' then 'string'
            when 'numeric' then 'decimal'
            when 'nvarchar' then 'string'
            when 'real' then 'float'
            when 'smalldatetime' then 'DateTime'
```

```
            when 'smallint' then 'short'

            when 'smallmoney' then 'decimal'

            when 'text' then 'string'

            when 'time' then 'TimeSpan'

            when 'timestamp' then 'long'

            when 'tinyint' then 'byte'

            when 'uniqueidentifier' then 'Guid'

            when 'varbinary' then 'byte[]'

            when 'varchar' then 'string'

            else 'UNKNOWN_' + typ.name

        end ColumnType,

        case

            when col.is_nullable = 1 and typ.name in ('bigint', 'bit', 'date', 'datetime', 'datetime2', 'datetimeoffset',
'decimal', 'float', 'int', 'money', 'numeric', 'real', 'smalldatetime', 'smallint', 'smallmoney', 'time', 'tinyint',
'uniqueidentifier')

                then '?'

                else ''

        end NullableSign

    from sys.columns col

        join sys.types typ on

            col.system_type_id = typ.system_type_id AND col.user_type_id = typ.user_type_id

    where object_id = object_id(@TableName)

) t

order by ColumnId


set @Result = @Result  + '

}'


print @Result
```

[Stored Procedure](#)