

# Package ‘mssqlR’

June 20, 2017

**Title** MSSQL Querying using R

**Version** 1.0.0

**Description** Can be used to query data from data from Microsoft SQL Server (MSSQL, see <http://www.microsoft.com/sqlserver/> for more information). Based on the concepts of Entity Framework, the package allows querying data from MSSQL Database.

**Depends** R (>= 3.4.0)

**License** GPL (>= 3) | file LICENSE

**Encoding** UTF-8

**LazyData** true

**Imports** RODBC, magrittr

**RoxygenNote** 6.0.1.9000

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**NeedsCompilation** no

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**Repository** CRAN

**Date/Publication** 2017-06-20 19:03:11 UTC

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connect_db	<i>Connect Function</i>
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**Description**

This function allows you to connect to a MS SqlServer Database

**Usage**

```
connect_db(server, db, uid, pwd)
```

**Arguments**

server	Database Server Url/IP Address
db	Database Name
uid	User id
pwd	Password

**Examples**

```
dbHandle <- connect_db("server.com", "db_test", "admin", "password")
```

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connect_entity_gen	<i>Connect to Database Server and Generate Entity Details Function</i>
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**Description**

This function connects to database and creates entity details

**Usage**

```
connect_entity_gen(server, db, uid, pwd)
```

**Arguments**

server	Database Server Url/IP Address
db	Database Name
uid	User id
pwd	Password

**Examples**

```
dbHandle <- connect_entity_gen("server.com", "db_test", "admin", "password")
```

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exec	<i>Executes the query</i>
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**Description**

This function executes the query

**Usage**

```
exec(query, dbHandle)
```

**Arguments**

query	full query for execution
dbHandle	Database Handle to use for query

**Examples**

```
df <- exec("",NULL)
```

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from	<i>Generates from part for the query</i>
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**Description**

This function creates a from part for the query

**Usage**

```
from(query = NULL, data)
```

**Arguments**

query	Existing query
data	Table or View to query from

**Examples**

```
from_tb <- from("", "tableName")
```

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orderby	<i>Generates order by part of a query</i>
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**Description**

This function generates "order by" part of a query

**Usage**

```
orderby(query = NULL, ...)
```

**Arguments**

query	Existing query
...	order by list

**Examples**

```
order_by_cols <- orderby("", "col1", "ASC", "col2", "DESC")
```

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select	<i>Generates Select part fo the query</i>
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**Description**

This function creates "Select" part fo the query

**Usage**

```
select(query = NULL, ..., top = NULL, distinct = NULL)
```

**Arguments**

query	Existing query
...	Fields to query
top	Top n rows of the data
distinct	True or FALSE

**Examples**

```
#Returns Top 100 rows
from_tb <- select("", "C011", "C012", "Col3", top=100)
```

```
#Returns distinct rows
from_tb <- select("", "C011", "C012", "Col3", distinct=TRUE)
```

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trim	<i>Trims leading and trailing whitespaces</i>
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**Description**

This function trims leading and trailing whitespaces

**Usage**

```
trim(x)
```

**Arguments**

x                      string to trim

**Examples**

```
df <- trim(" text containing leading and trailing whitespaces. ")  
#text containing leading and trailing whitespaces.
```

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where	<i>Generates where part of a query</i>
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**Description**

This function generates "where" part of a query

**Usage**

```
where(query = NULL, ...)
```

**Arguments**

query                      Existing query  
...                          where list

**Examples**

```
where_cond <- where("", "col1", "=", "test1", "AND", "col2", ">", 25)
```

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