

SQL with R

This SQL tutorial is focused on connecting **MySQL** with R.

To work with MySQL, install **RMySQL** and **dbConnect** packages.

```
In [1]: # Ignore warning
options(warn=-1)
```

```
In [ ]: install.packages("RMySQL")
```

```
In [ ]: install.packages("dbConnect")
```

```
In [2]: library(RMySQL)
library(dbConnect)
```

Loading required package: DBI
Loading required package: gWidgets

connect to mysql database using **dbConnect()** and pass user, password, database and host

```
con <- dbConnect(MySQL(),user="your username", password="your password",
db="your database name", host="localhost")
```

list all tables in database using **dbListTables**

```
In [36]: dbListTables(con)
```

'student'

run query using **dbGetQuery**

```
In [37]: sql <- "SELECT * FROM student"
```

```
In [38]: dbGetQuery(con,sql)
```

id	name	marks
1	Jack	80
2	Jill	98
3	Jenny	78
4	John	80

close connection with **dbDisconnect**

```
In [39]: dbDisconnect(con)
```

```
TRUE
```

To learn more go through the following documentation [RMySQL \(https://cran.r-project.org/web/packages/RMySQL/index.html\)](https://cran.r-project.org/web/packages/RMySQL/index.html)

For Oracle, go through the following documentation [ROracle \(https://cran.r-project.org/web/packages/ROracle/index.html\)](https://cran.r-project.org/web/packages/ROracle/index.html)