

R_databasepackage__use

1.use R to connect database(RMySQL,RODBC)

you should require packages of RMySQL and RODBC first

```
library(RMySQL)
```

```
## Loading required package: DBI
```

```
library(RODBC)
```

2.RMySQL(warning:this is not suitable for chinese character(you can read the table including chinese character,but not write the table including chinese)

(1)we use the function “dbConnect” to connect the mysql database

```
conn<-dbConnect(MySQL(),dbname="php_one",username="root",password="zhaolei19930410")
```

(2)the function “dbListTable” show the tables of dbname that we connect above

```
dbListTables(conn)
```

```
## [1] "data" "data1" "test1" "test2" "test3" "test4" "test5" "test6"
```

(3)we can write data into database

```
id<-1:10
name<-letters[1:10]
data<-rnorm(10)
dat<-data.frame(id=id,name=name,data=data)
dbWriteTable(conn,"test7",dat)
```

```
## [1] TRUE
```

(4)we can select data from tables that we write above

```
dbSendQuery(conn,'SET NAMES gbk') # this is for characters in R,it's important, otherwise,you will no
```

```
res=dbSendQuery(conn,"select * from test7")
dat=fetch(res)
dat
```

```
##      row_names id name      data
## 1          1 1    a  1.29889273
## 2          2 2    b -0.45642114
## 3          3 3    c -0.03107377
## 4          4 4    d  0.27868046
## 5          5 5    e  0.11864568
## 6          6 6    f -0.80608394
## 7          7 7    g  0.05149501
## 8          8 8    h  1.73677516
## 9          9 9    i  1.90397984
## 10         10 10   j  0.50616705
```

```
dbDisconnect(conn)
```

```
## Warning: Closing open result sets
```

```
## [1] TRUE
```