

```
install.packages("RMySQL")
```

```
#Question1#
```

```
library("RMySQL")  
myconnection <- dbConnect(dbDriver("MySQL"),  
  host="mydb.ics.purdue.edu",  
  username="mdw_guest",  
  password="MDW_csp2018",  
  dbname="mdw")
```

```
#The code above allows us to access SQL
```

```
easyquery <- function(x) {  
  fetch(dbSendQuery(myconnection, x), n=-1)  
}
```

```
myDF <- easyquery("SELECT m.nameFirst, m.nameLast,  
  p.playerID, SUM(p.SO)  
  FROM Pitching p JOIN Master m  
  ON m.playerID = p.playerID  
  GROUP BY p.playerID;")
```

```
#The code above allows us to find the pitcher with the most strike outs
```

```
#The code 'SUM(p.SO)' lets us see the greatest total number of strike outs
```

```
tail(myDF [ order(myDF$`SUM(p.SO)`), ], 1)
```

```
#Question2#
```

```
myDF <- easyquery("SELECT p.yearID  
  FROM Pitching p WHERE p.playerID='ryanno01'")
```

```
myDF
```

```
#In this code above I am able to see what years Nolan Ryan was a pitcher
```

```
#since we want to see years we use, 'p.yearID' and to find the years for Nolan Ryan specifically  
use the code 'p.playerID='ryanno01'.
```