

# Module05 homework, Q4

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Purpose: Answer M05-Q04. Use the melange database and write a SQL query that will list all the field names in the crawling table.

Note: this solution uses R and SQLite. An alternate solution using SAS and Oracle is also available.

Note: Some of the names used in this code are arbitrary and you can choose whatever names you want. To emphasize which names can be modified at your discretion, I am using names of famous statisticians.

The statistician being honored in this code is George Box.

Here is the approach using SQL commands.

```
library(sqldf)
```

```
## Loading required package: gsubfn
```

```
## Loading required package: proto
```

```
## Loading required package: RSQLite
```

```
box <- dbConnect(SQLite(),
  dbname="../data/melange.sqlite")
george3 <- dbGetQuery(conn=box, "
  pragma table_info(crawling)
")

george3
```

##	cid	name	type	notnull	dflt_value	pk
## 1	0	Birth_month	TEXT	0	NA	0
## 2	1	Temperature	INTEGER	0	NA	0
## 3	2	avg_crawling_age	REAL	0	NA	0

```
dbDisconnect(conn=box)
```

Here is an alternative approach using an R function. You don't have to do your homework both ways; I'm just showing different methods.

```
library(sqldf)
box <- dbConnect(SQLite(),
  dbname="../data/melange.sqlite")
dbListFields(conn=box, name="crawling")
```

```
## [1] "Birth_month"      "Temperature"      "avg_crawling_age"
```

```
dbDisconnect(conn=box)
```