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# Project 6

## SQL Application

### Section 1: Load/Save

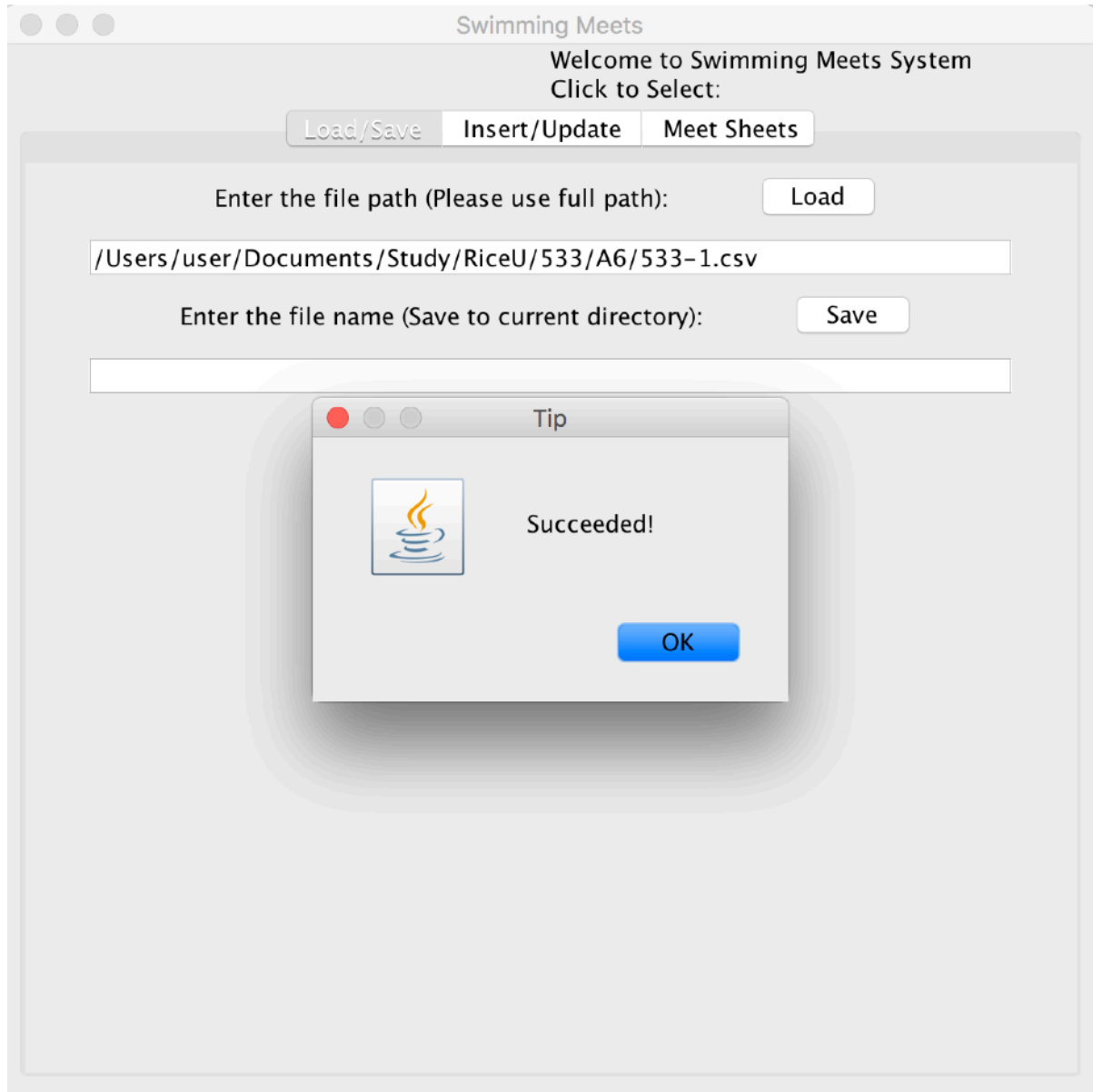
The screenshot shows a window titled "Swimming Meets" with a standard macOS-style title bar (red, yellow, and grey buttons). The window content includes a welcome message "Welcome to Swimming Meets System" and a prompt "Click to Select:". Below this is a tabbed interface with three tabs: "Load/Save" (which is selected and highlighted in blue), "Insert/Update", and "Meet Sheets". The "Load/Save" tab contains two input sections. The first section is labeled "Enter the file path (Please use full path):" and has a text input field below it, with a "Load" button to its right. The second section is labeled "Enter the file name (Save to current directory):" and has a text input field below it, with a "Save" button to its right.

## 1. Load From File:

Using absolute/full path only!

for example:

/Users/user/Documents/Study/RiceU/533/A6/533-1.csv



## 2. Save To File

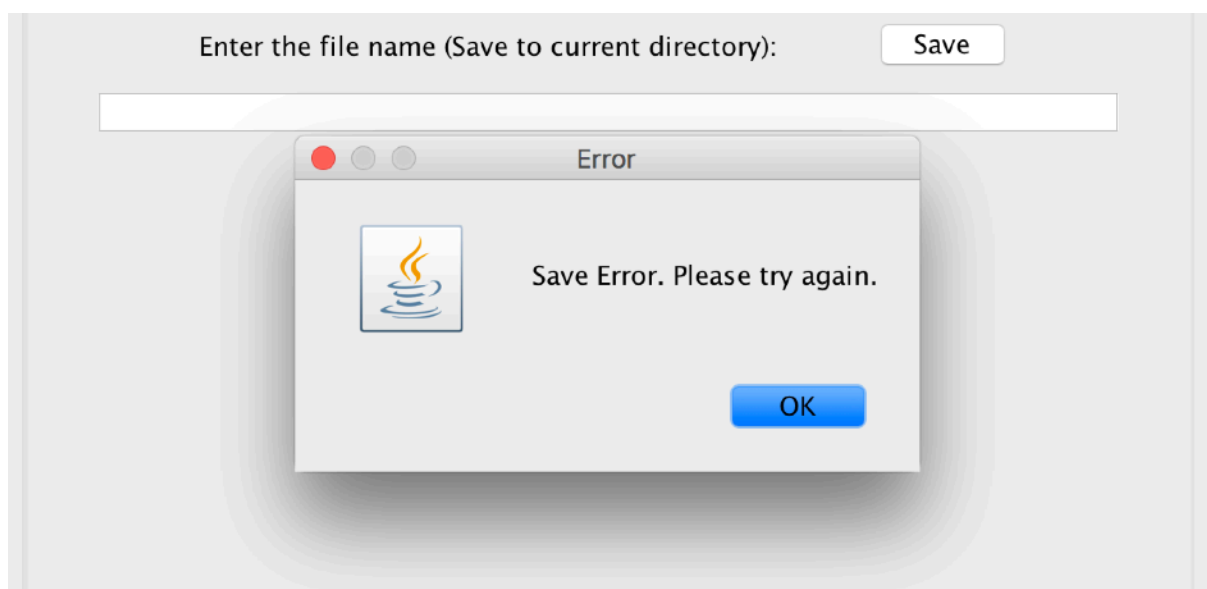
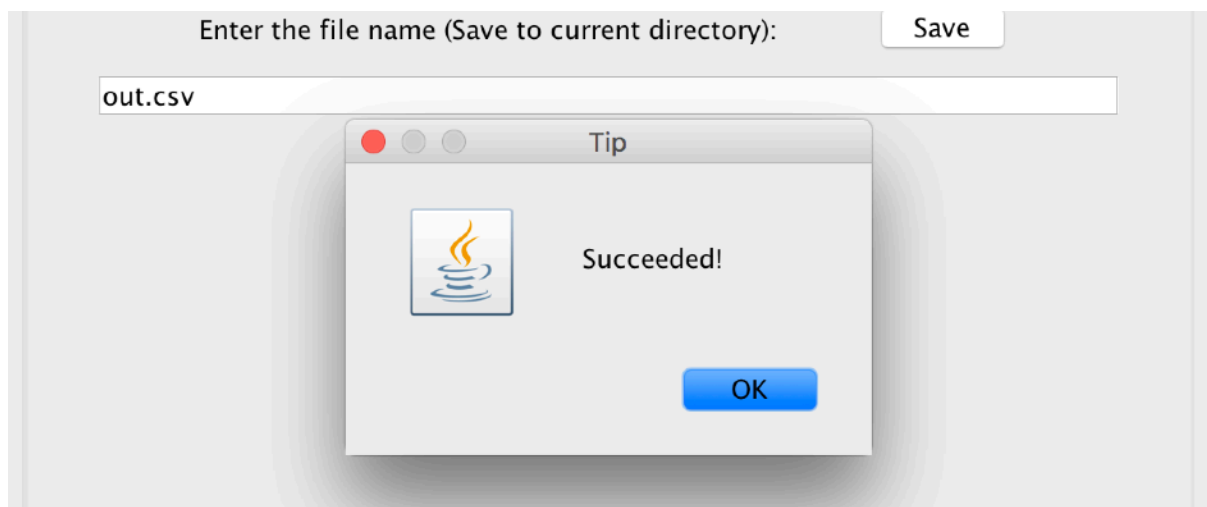
Using relative path

Just enter file name you want, file will be generated at current working directory.

Note that the file name should end with .csv

for example:

out.csv



## Section 2: Insert/Update

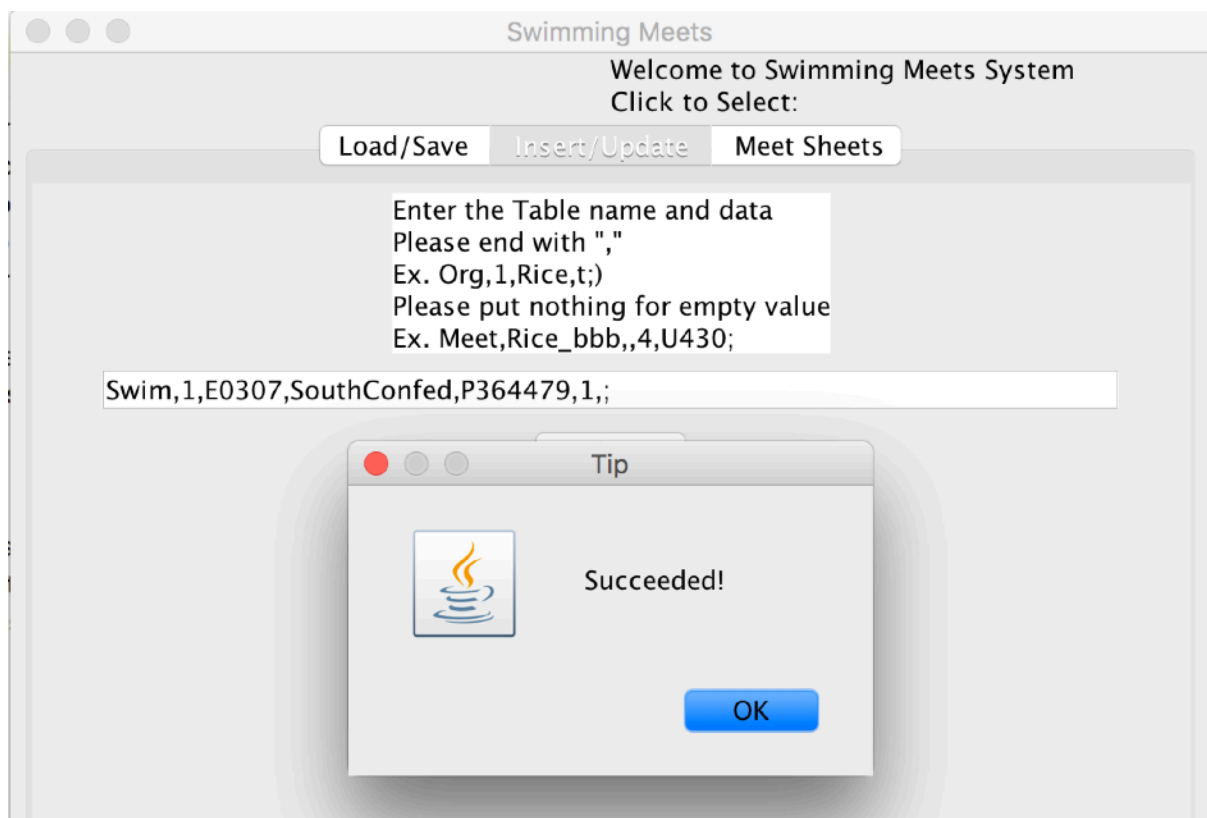
Insert:

Insert data with missing value

for example:

Swim,1,E0307,SouthConfed,P364479,1,;

Meet,Rice\_bbb,,4,U430;

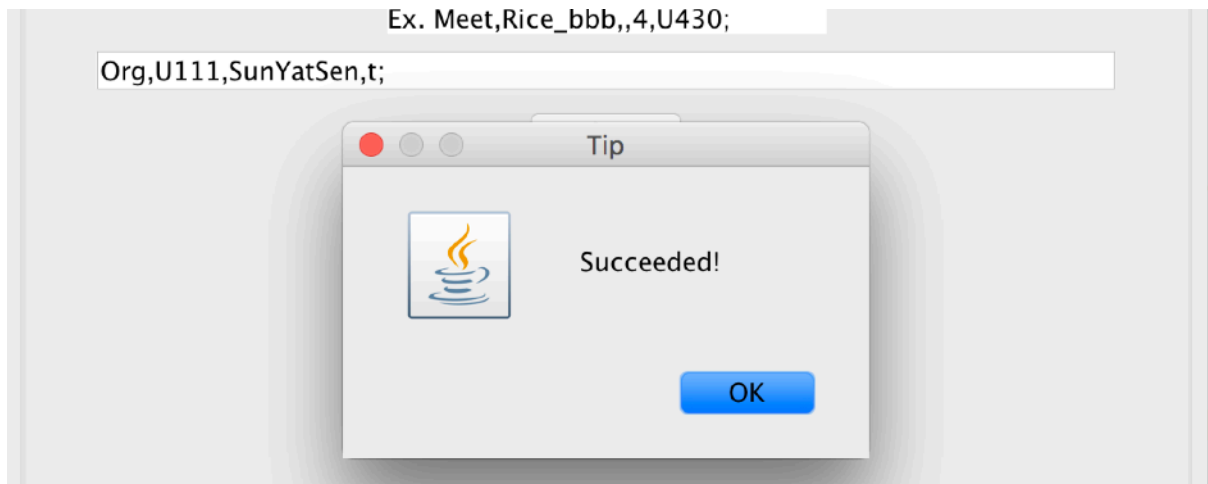


Success:

You will get an alert on Success.

for example:

Org,U111,SunYatSen,t;

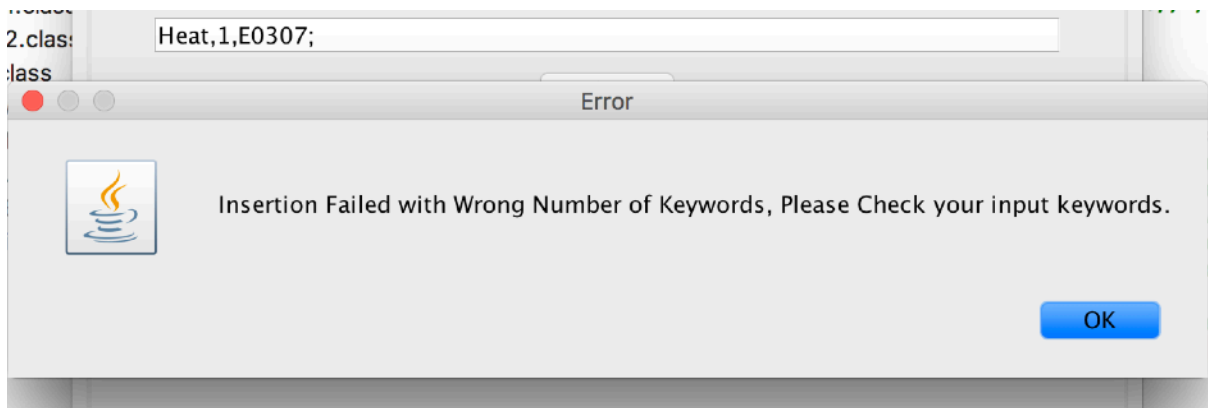


Error type 1:

Wrong number of keywords

you will get an error alert about wrong number of keywords

Heat,1,E0307;



Error type 2:

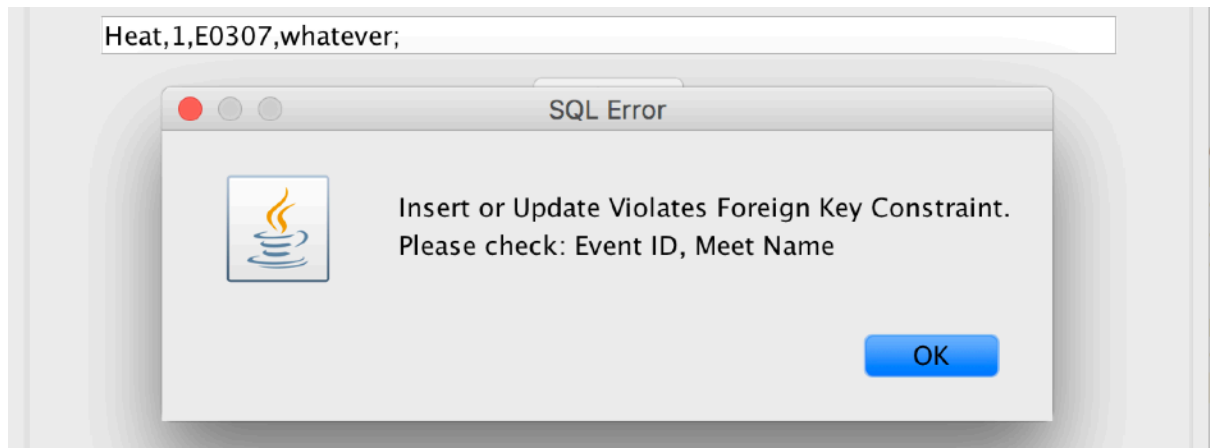
Violate FOREIGN KEY constraint

you will get an error alert about Violates FOREIGN KEY Constraint

for example:

Heat,1,E0307,whatever;

Swim,1,E0307,whatever,P364479,1,13.5657;



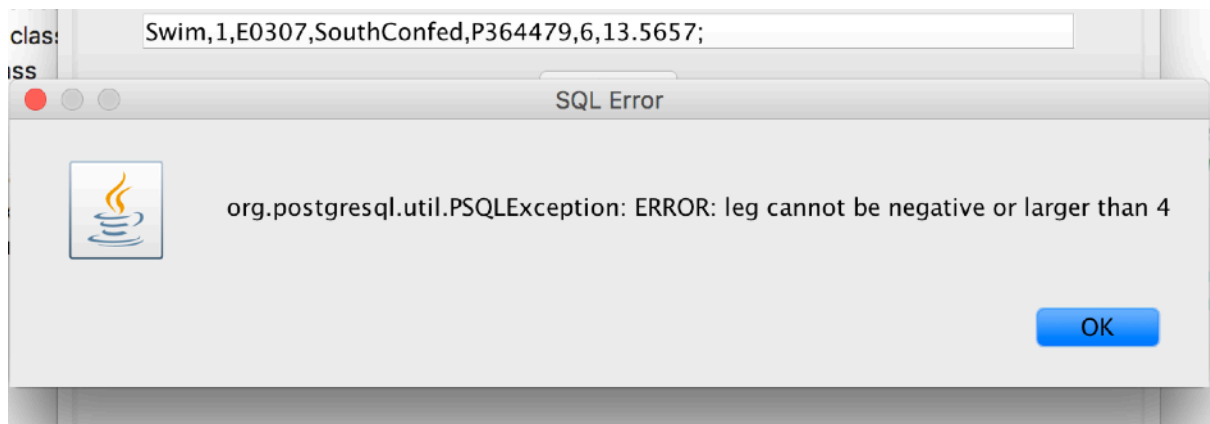
Error type 3:

Duplicate leg number, will throw SQL Exception

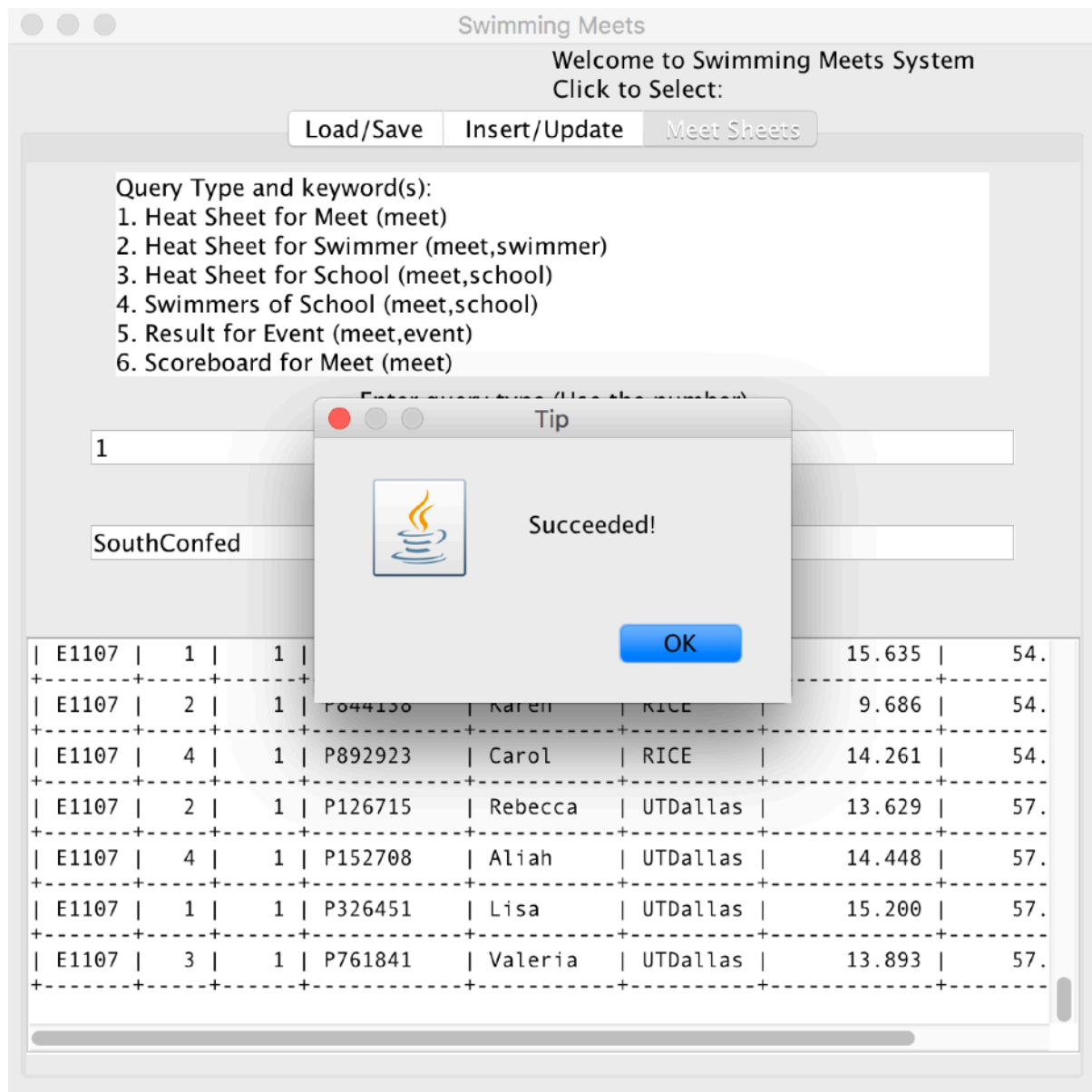
you will get an error alert 'leg cannot be negative or larger than 4'

for example:

`Swim,1,E0307,SouthConfed,P364479,6,13.5657;`



## Section 3: Meet Sheets



Error type 1:

Wrong query type

\* enter not number character in first text Field

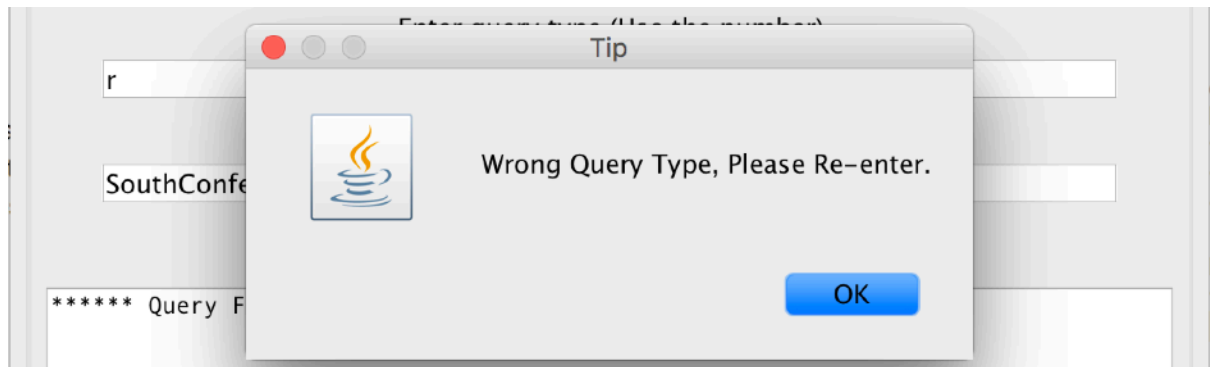
\* enter number < 1 or > 6

you will get an error type about wrong query type

for example:

r

8



Error type 2:

Wrong number of query keyword

you should get an error alert about wrong number of keyword(s)

for example:

2

Rice Invitational

