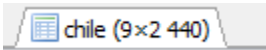
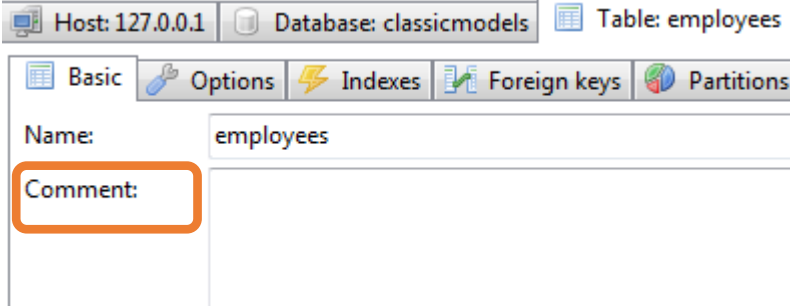


Outline of hands-on training session 3 (Answers)

Tasks	Solutions
Task 1	Please consult the lecture slide for solution
Task 2	Please consult the lecture slide for solution
Task 3	<p>Please consult the lecture slide for solution</p> <p>You can write a command to drop foreign key or do that via clicking on the menu of HeidiSQL.</p> <p>Please remember to activate right database when doing the task.</p>
Task 4	<code>select 2.345*3.456/4.567</code>
Task 5	<p><code>select ID, sex, income, vote from chile</code></p> <p>Change the sequence of column names, e.g.: <code>select vote, ID, sex, income from chile</code></p>
Task 6	<code>select * from chile</code>
Task 7	<p>There are 2440 rows, based on the information from:</p>  <p>i) <code>ID region</code> ;</p> <p>ii) From the “report” window</p> <p><i>/* Affected rows: 0 Found rows: 2 440 Warnings: 0 Duration for 1 query: 0,015 sec. */</i></p>
Task 8	<p><code>Select * from chile where region = 'M'</code></p> <p>You can consult course slide for the instructions on how to export the data to be a csv file.</p>

Task 9	<p>Alternative 1: create table Statusquo_research as (select age, sex, statusquo, vote from chile where statusquo < -1 or statusquo > 1);</p> <p>Alternative 2: create table Statusquo_research as (select age, sex, statusquo, vote from chile where statusquo not between -1 and 1);</p> 
Task 10	Please consult the lecture slide for solution
Task 11	<ul style="list-style-type: none"> Find the record of young and middle ages (age less than 50) with a good education of secondary education income of over 75,000 Pesos who voted for Pinochet. <p>Select * from chile where age <50 and education = 'S' and income > 75000 and vote = 'Y'</p> <p>The number of rows is 14.</p> <ul style="list-style-type: none"> Find the record of young and middle ages (age less than 50) with a good education of secondary education income of over 75,000. <p>Select * from chile where age <50 and education = 'S' and income > 75000</p> <p>The number of rows is 43.</p> <p>Select 14/43</p> <p>Therefore, the result for the first group is 0.3256</p> <ul style="list-style-type: none"> Find the record of young and middle ages (age less than 50) who have a limited education (primary education) and with a limited income (less than 10,000 Pesos) who vote for Pinochet. <p>Select * from chile where age <50 and education = 'P' and income < 10000 and vote = 'Y'</p> <p>The number of rows is 107.</p>

	<ul style="list-style-type: none"> Find the record of young and middle ages (age less than 50) who have a limited education (primary education) and with a limited income (less than 10,000 Pesos). <p>Select * from chile where age <50 and education = 'P' and income < 10000</p> <p>The number of rows is 257.</p> <p>Select 107/257</p> <p>Therefore, the result for the second group is 0.4163.</p> <p>As a result, the hypothesis is not well supported.</p>
Task 12	<p>Select * from tripadvisor_review_sample_without_reviewtext where overall_rating = 1 and author_num_cities_visited > 10 and author_num_reviews > 10 and author_num_hotelreviews > 10 and review_date between '2012-10-21' and '2012-12-21' and username NOT REGEXP "^a ^b ^c ^d" order by review_date desc</p>
Task 13	<p>SELECT * FROM chile Where (region = 'N' or region = 'S') and (population between 5000 and 90000) and ((age between 23 and 31) or (age between 35 and 46) or (age between 55 and 65)) and ((income between 2500 and 10000) or (income > 75000)) and (statusquo not between -0.5 and 0.5) and (education != 'S') and (vote = 'A' or vote = 'U') order by income desc, age asc, statusquo desc limit 4,6</p>

Congratulations! You can now accomplish such a complex query!