Lab: Table Relations

This document defines the lab assignments for MySQL Course at Software University.

Get familiar with the camp database. You will use it in the following exercises.

1. **Mountains and Peaks**

Write a query to create two tables - mountains and peaks and link their fields properly. Tables should have:

- Mountains:
 - id
 - name
- Peaks:
 - id
 - name
 - mountain id

Check your solutions using the "Run Queries and Check DB" strategy.

2. **Trip Organization**

Write a query to retrieve information about SoftUni camp's transportation organization. Get information about the drivers (name and id) and their vehicle type. Submit your queries using the "MySQL prepare DB and Run Queries" strategy.

Example

driver_id	vehicle_type	driver_name	
1	bus	Simo Sheytanov	
2	van	Roli Dimitrova	
1	van	Simo Sheytanov	

SoftUni Hiking 3.

Get information about the hiking routes – starting point and ending point, and their leaders – name and id. Submit your queries using the "MySQL prepare DB and Run Queries" strategy.

Example

route_starting_point	route_ending_point	leader_id	leader_name
Hotel Malyovitsa	Malyovitsa Peak	3	RoYaL Yonkov
Hotel Malyovitsa	Malyovitsa Hut	3	RoYaL Yonkov
Ribni Ezera Hut	Rila Monastery	3	RoYaL Yonkov
Borovets	Musala Peak	4	Ivan Ivanov













4. **Delete Mountains**

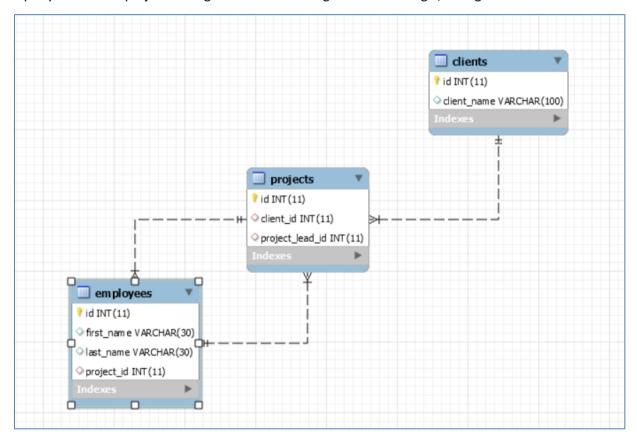
Drop tables from the task 1.

Write a query to create a one-to-many relationship between a table, holding information about mountains (id, name) and other - about peaks (id, name, mountain_id), so that when a mountain gets removed from the database, all his peaks are deleted too.

Submit your queries using the "MySQL run queries & check DB" strategy.

Project Management DB* 5.

Write a query to create a project management db according to the following E/R Diagram:



















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