

The client user execution script for Project Three - CNT 4714 - Spring 2024
all commands assumed to be executed by the client1 user
the client1 user has only selection privilege on the project3 and bikdeb database schemas.
Note which DB is used for each command.
#

#Command 1 - project3:

Query: Which rider won the World Championship - Elite Women in 2021?

select ridername

from racewinners

where racename = 'World Championship - Elite Women' and raceyear = 2021;

The screenshot shows a MySQL client application window. On the left, there are fields for 'User Properties' (client1.properties), 'DB Properties' (project3.properties), 'Username' (client1), and 'Password' (masked with dots). Below these are buttons for 'Disconnect', 'Connect to Database', 'Clear SQL Command', and 'Execute SQL Command'. The 'Connect to Database' button is highlighted in blue, and a status bar below it shows 'Connected to jdbc:mysql://localhost:3306/project3?useTimezone=true&serverTimezone=UTC'. On the right, there is a text area for 'Enter an SQL Command' containing the query: 'select ridername from racewinners where racename = 'World Championship - Elite Women' and raceyear = 2021'. Below the text area are buttons for 'Clear SQL Command' and 'Execute SQL Command'. At the bottom, there is a 'SQL Execution Result Window' showing a table with one row: 'Elisa Balsamo' under the column 'ridername'. A 'Clear Result Window' button is located at the bottom left.

ridername
Elisa Balsamo

#Commands 2A, 2B, and 2C - All project3:

Delete all the riders from Norway from the riders table.

* * * Do a "before" and "after" select * from riders for this command.

Note: the before and after select statements will execute, but the delete will not

thus no changes will be reflected in the before and after snapshots.

select * from riders;

delete from riders where nationality = 'Norway';

select * from riders;

The screenshot shows a SQL client window with the following components:

- User Properties:** client1.properties
- DB Properties:** project3.properties
- Username:** client1
- Password:** *****
- Buttons:** Disconnect (red), Clear SQL Command (white), Execute SQL Command (green), Connect to Database (blue).
- Status Bar:** Connected to jdbc:mysql://localhost:3306/project3?useTimezone=true&serverTimezone=UTC
- SQL Execution Result Window:** A table with 5 columns: ridername, teamname, nationality, num_pro_wins, and gender. It contains 15 rows of data.
- Clear Result Window:** A yellow button at the bottom.

ridername	teamname	nationality	num_pro_wins	gender
Alberto Contador	Astana	Spain	21	M
Alessandro Ballan	Lampre	Italy	21	M
Andy Schleck	Leopard-Trek	Luxembourg	35	M
Bradley Wiggins	Ti-Raleigh	Great Britain	13	M
Ceylin del Carmen Alvarado	Alpecin-Fenix	Netherlands	89	F
Chris Froome	Sky	Great Britain	23	M
Davide van der Poel	Jumbo-Visma	Alpecin	0	M
Dietrich Thurau	Ti-Raleigh	Germany	78	M
Elisa Balsamo	Trek-Segafredo	Italy	20	F
Elisa Borghini	Schenger	Italy	34	F
Fabian Cancellara	SaxoBank	Switzerland	58	M
Fedor den Hertog	Acqua & Sapone	Netherlands	20	M

User Properties: client1.properties
DB Properties: project3.properties
Username: client1
Password:

Enter an SQL Command
delete from riders where nationality = 'Norway';

Disconnect Clear SQL Command Execute SQL Command

Connect to Database Connected to jdbc:mysql://localhost:3306/project3?useTimezone=true&serverTimezone=UTC

SQL Execution Result Window

ridername	teamname	nationality	num_pro_wins	gender
Alberto Contador	Astana	Spain	21	M
Alesandro Ballan	Lampre	Italy	21	M
Andy Schleck	Leopard-Trek	Luxembourg	35	M
Bradley Wiggins	Ti-Raleigh	Great Britain	13	M
Ceylin del Carmen Alvarado	Alpecin-Fenix	Netherlands		
Chris Froome	Sky	Great Britain		
Davide van der Poel	Jumbo-Visma	Alpecin		
Dietrich Thurau	Ti-Raleigh	Germany		
Elisa Balsamo	Trek-Segafredo	Italy		
Elisa Borghini	Schenger	Italy		
Fabian Cancellara	SaxoBank	Switzerland		
Fedor den Hertog	Acqua & Sapone	Netherlands		

Database error
DELETE command denied to user 'client1'@'localhost' for table 'riders'

Clear Result Window

User Properties: client1.properties
DB Properties: project3.properties
Username: client1
Password:

Enter an SQL Command
select * from riders

Disconnect Clear SQL Command Execute SQL Command

Connect to Database Connected to jdbc:mysql://localhost:3306/project3?useTimezone=true&serverTimezone=UTC

SQL Execution Result Window

ridername	teamname	nationality	num_pro_wins	gender
Mathieu van der Poel	Alpecin	Netherlands	34	M
Matti Breschel	Cofidis	Denmark	12	M
Miguel Indurain	BMC	Spain	76	M
Nicolas Roche	Cofidis	Ireland	8	M
Niki Sorensen	SaxoBank	Norway	32	M
Pauline Ferrand	Gitane	France	45	F
Peter Post	Ti-Raleigh	Netherlands	150	M
Peter Sagan	Bora-Hansgrohe	Slovakia	101	M
Robbie McKewen	Brooklyn	Austalia	55	M
Stuart OGrady	CSC	Australia	20	M
Thor Hushovd	SaxoBank	Norway	29	M
Zednek Stybar	Quick-Step	Czechoslovakia	40	M

Clear Result Window

#Commands 3A, 3B, and 3C - All project3:

Update rider Marianne Vos to show number of wins = 245 in the riders table.

```
# * * Do a "before" and "after" selection on the riders table
# Note: the before and after select statements will execute, but the delete will not
#      thus no changes will be reflected in the before and after snapshots.
select * from riders;
update riders set num_pro_wins = 245 where ridername = "Marianne Vos";
select * from riders;
```

The screenshot shows a SQL client window with the following components:

- User Properties:** client1.properties
- DB Properties:** project3.properties
- Username:** client1
- Password:** *****
- Buttons:** Disconnect, Clear SQL Command, Execute SQL Command, Connect to Database.
- Status Bar:** Connected to jdbc:mysql://localhost:3306/project3?useTimezone=true&serverTimezone=UTC
- SQL Execution Result Window:**

ridername	teamname	nationality	num_pro_wins	gender
Jens Voigt	SaxoBank	Germany	38	M
Lizzie Armistead	Boels-Dolmans	Great Britain	89	F
Marianne Vos	WM3	Netherlands	230	F
Mario Cipolini	Acqua & Sapone	Italy	130	M
Mark Cavendish	HTC-Columbia	Isle of Man	34	M
Mark Renshaw	HTC-Columbia	Australia	30	M
Mathieu van der Poel	Alpecin	Netherlands	34	M
Matti Breschel	Cofidis	Denmark	12	M
Miguel Indurain	BMC	Spain	76	M
Nicolas Roche	Cofidis	Ireland	8	M
Niki Sorensen	SaxoBank	Norway	32	M
Pauline Ferrand	Gitane	France	45	F
- Buttons:** Clear Result Window

User Properties: client1.properties
 DB Properties: project3.properties
 Username: client1
 Password:

Enter an SQL Command
 update riders set num_pro_wins = 245 where ridername = "Marianne Vos";

Disconnect Clear SQL Command Execute SQL Command

Connect to Database Connected to jdbc:mysql://localhost:3306/project3?useTimezone=true&serverTimezone=UTC

SQL Execution Result Window

ridername	teamname	nationality	num_pro_wins	gender
Jens Voigt	SaxoBank	Germany	38	M
Lizzie Armistead	Boels-Dolmans	Great Britain	89	F
Marianne Vos	WM3	Netherlands	230	F
Mario Cipolini	Acqua & Sapone	Italy	130	M
Mark Cavendish	HTC-Columbia	Isle of Man		
Mark Renshaw	HTC-Columbia	Australia		
Mathieu van der Poel	Alpecin	Netherlands		
Matti Breschel	Cofidis	Denmark		
Miguel Indurain	BMC	Spain		
Nicolas Roche	Cofidis	Ireland		
Niki Sorensen	SaxoBank	Norway		
Pauline Ferrand	Gitane	France		

Database error
 UPDATE command denied to user 'client1'@'localhost' for table 'riders'

Clear Result Window

User Properties: client1.properties
 DB Properties: project3.properties
 Username: client1
 Password:

Enter an SQL Command
 select * from riders

Disconnect Clear SQL Command Execute SQL Command

Connect to Database Connected to jdbc:mysql://localhost:3306/project3?useTimezone=true&serverTimezone=UTC

SQL Execution Result Window

ridername	teamname	nationality	num_pro_wins	gender
Jens Voigt	SaxoBank	Germany	38	M
Lizzie Armistead	Boels-Dolmans	Great Britain	89	F
Marianne Vos	WM3	Netherlands	230	F
Mario Cipolini	Acqua & Sapone	Italy	130	M
Mark Cavendish	HTC-Columbia	Isle of Man	34	M
Mark Renshaw	HTC-Columbia	Australia	30	M
Mathieu van der Poel	Alpecin	Netherlands	34	M
Matti Breschel	Cofidis	Denmark	12	M
Miguel Indurain	BMC	Spain	76	M
Nicolas Roche	Cofidis	Ireland	8	M
Niki Sorensen	SaxoBank	Norway	32	M
Pauline Ferrand	Gitane	France	45	F

Clear Result Window

#Command 4 - project3:
 # Query: Which rider won the 2021 Tour de France?
 select ridername

from racewinners
where racename = "Tour de France" and raceyear = 2021;

The screenshot shows a database client application window. On the left, there are fields for 'User Properties' (client1.properties), 'DB Properties' (project3.properties), 'Username' (client1), and 'Password' (masked with asterisks). Below these are buttons for 'Disconnect', 'Connect to Database', 'Clear SQL Command', and 'Execute SQL Command'. The 'Connect to Database' button is highlighted in blue, and a status bar below it shows 'Connected to jdbc:mysql://localhost:3306/project3?useTimezone=true&serverTimezone=UTC'. The main area is titled 'Enter an SQL Command' and contains the query: 'select ridername from racewinners where racename = "Tour de France" and raceyear = 2021;'. Below this is the 'SQL Execution Result Window', which displays a table with one column 'ridername' and one row containing the name 'Tadej Pogacar'. At the bottom left of the window is a 'Clear Result Window' button.

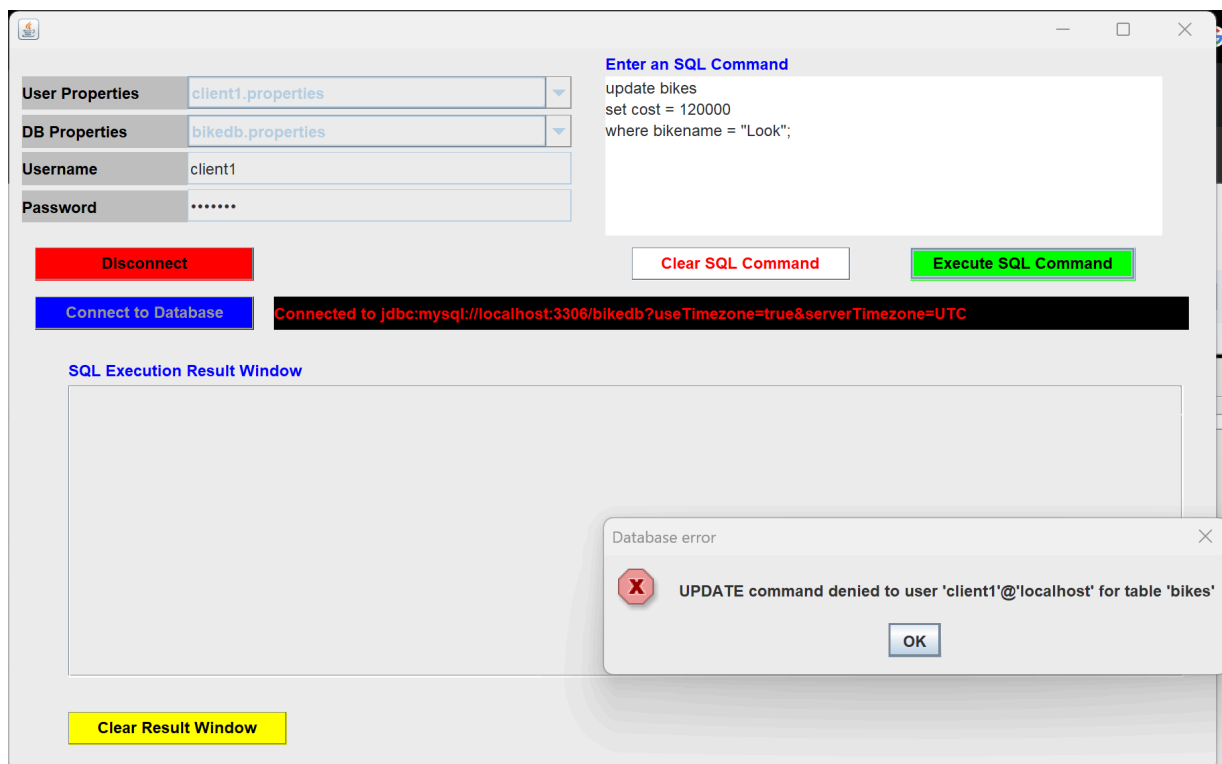
ridername
Tadej Pogacar

#Command 5 - project3:
How many riders are there?
select count(ridername) as number_of_riders
from riders;

The screenshot shows the same database client application window. The 'User Properties' and 'DB Properties' are the same. The 'SQL Command' field now contains the query: 'select count(ridername) as number_of_riders from riders;'. The 'SQL Execution Result Window' displays a table with one column 'number_of_riders' and one row containing the value '33'. The 'Clear Result Window' button is still present at the bottom left.

number_of_riders
33

#Command 6 - bikedb:
updating command not valid for the client user
update bikes
set cost = 120000
where bikename = "Look";



Command 7 - project3:

How many races list Ceylin del Carmen Alvarado as the winner?

```
select count(racename) as Ceylin_listed_as_winner from racewinners where ridername = 'Ceylin del Carmen Alvarado';
```

The screenshot shows a SQL client window with the following components:

- User Properties:** client1.properties
- DB Properties:** project3.properties
- Username:** client1
- Password:** *****
- Buttons:** Disconnect (red), Clear SQL Command (white), Execute SQL Command (green), Connect to Database (blue).
- Status Bar:** Connected to jdbc:mysql://localhost:3306/project3?useTimezone=true&serverTimezone=UTC
- SQL Execution Result Window:** Displays the result of the query. The column header is "Ceylin_listed_as_winner" and the value is "4".
- Clear Result Window:** A yellow button at the bottom left of the result window.

Ceylin_listed_as_winner
4