NOTE: Professor said it was okay if i consolidated some of these screenshots, you will notice on the before and afters that they are only two, however it shows the functionality

The root user execution script for Project Three - CNT 4714 - Spring 2024

all commands assumed to be executed by the root user. Root user has all permissions on all databases
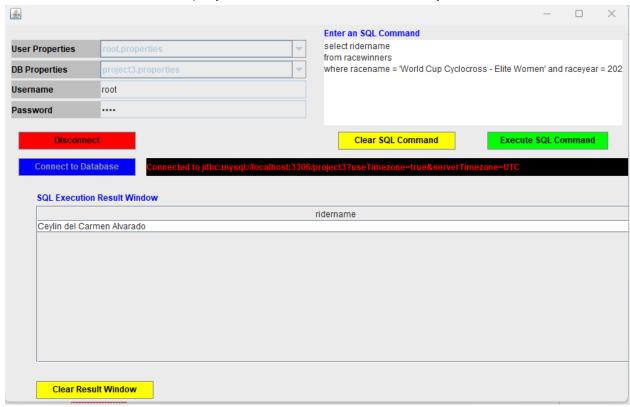# Note which database is used for each command.

#
Command 1 - project3:
Query: Which rider won World Cup Cyclocross - Elite Women in 2024?
select ridername
from racewinners
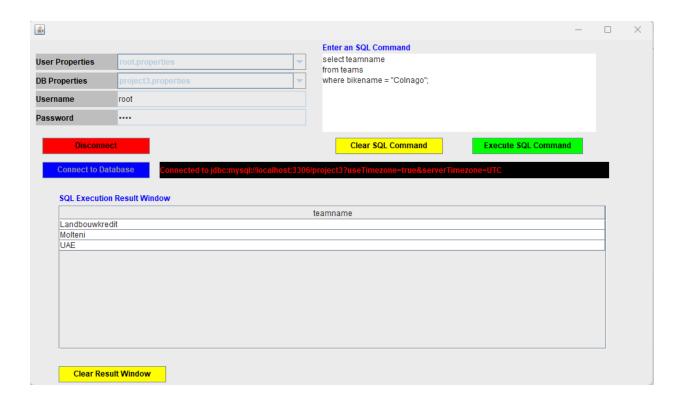where racename = 'World Cup Cyclocross - Elite Women' and raceyear = 2024;

Command 2 - project3:
Query: List the teams that ride Colnago bikes.
select teamname
from teams
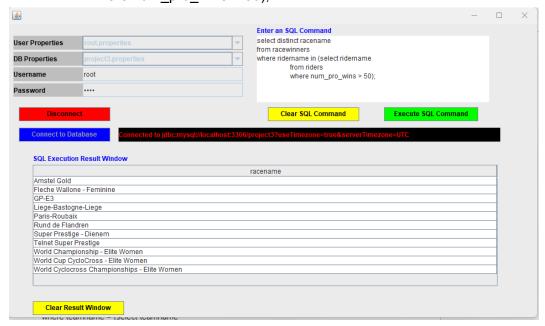where bikename = "Colnago";

Command 3 - project3:
Query: List the name of every race won by a rider who has more than 50 professional wins.
select distinct racename
from racewinners
where ridername in (select ridername
            from riders
            where num_pro_wins > 50);

Command 4 - project3:
Query: List the names of all the riders on the same team as the winner of the 2010 Paris-Roubaix race.

```
select ridername
from riders
where teamname = (select teamname
            from riders
            where ridername = (select ridername
                        from racewinners
                        where racename = 'Paris-Roubaix' and raceyear = 2010
                        )
        );
```

Commanda 5A, 5B, and 5C - All project3: **(I combined this into two screenshots, the second screenshot runs the insert and shows the select, id have to reset db to fix)**
Insert the rider Mark Renshaw into the riders table.
* * Do a "before" and "after" selection on the riders table
select * from riders;
insert into riders values ('Mark Renshaw','HTC-Columbia','Australia',26, 'M');
select * from riders;

5A

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	88	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	Schenker	Italy	34	F
Fabian Cancellara	SaxoBank	Switzerland	58	M
Fedor den Hertog	Acqua & Sapone	Netherlands	20	M

5B, 5C

Command 6 - project3:
List the names of those riders who have won Paris-Roubaix at least two times.
select ridername
from racewinners
where racename = 'Paris-Roubaix'
group by ridername
having count(ridername) >= 2;

Enter an SQL Command

User Properties: root.properties

DB Properties: project3.properties

Username: root

Password: ••••

```
select ridername
from racewinners
where racename = 'Paris-Roubaix'
group by ridername
having count(ridername) >= 2;
```

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
Eddy Merckx
Roger deVlaeminck
Fabian Cancellara

Clear Result Window

Commands 7A, 7B, and 7C - All project3:
Delete all the riders from Belgium from the riders table.
* * * Do a "before" and "after" select * from riders for this command.
select * from riders;
delete from riders where nationality = 'Belgium';
select * from riders;

7A

Enter an SQL Command

```
select * from riders;
```

User Properties	root.properties ▼
DB Properties	project3.properties ▼
Username	root
Password	••••

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
Pauline Ferrand	Gitane	France	45	F
Peter Post	Ti-Raleigh	Netherlands	150	M
Peter Sagan	Bora-Hansgrohe	Slovakia	101	M
Phillipe Gilbert	BMC	Belgium	85	M
Robbie McKewen	Brooklyn	Austalia	55	M
Roger deVlaeminck	Brooklyn	Belgium	134	M
Stuart OGrady	CSC	Australia	20	M
Sven Nys	Landbouwkredit	Belgium	94	M
Thor Hushovd	SaxoBank	Norway	29	M
Tom Boonen	Quick-Step	Belgium	67	M
Wout van Aert	Jumbo-Visma	Belgium	60	M
Zednek Stybar	Quick-Step	Czechoslovakia	40	M

Clear Result Window

7B,7C

Enter an SQL Command

```
delete from riders where nationality = 'Belgium';
select * from riders
```

User Properties	root.properties ▼
DB Properties	project3.properties ▼
Username	root
Password	••••

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

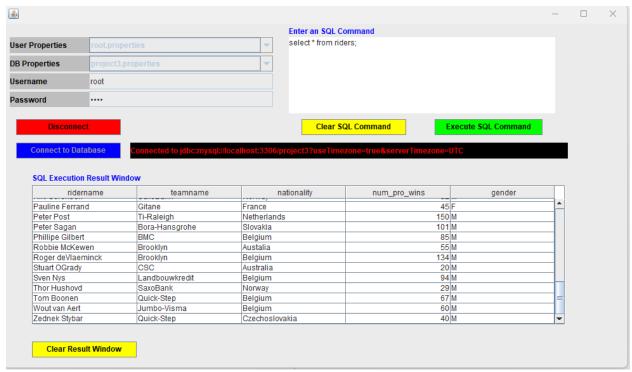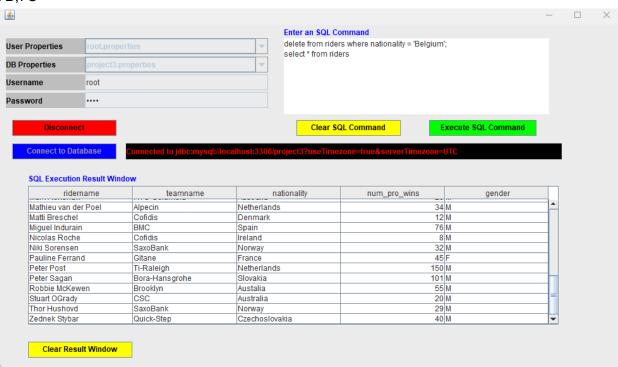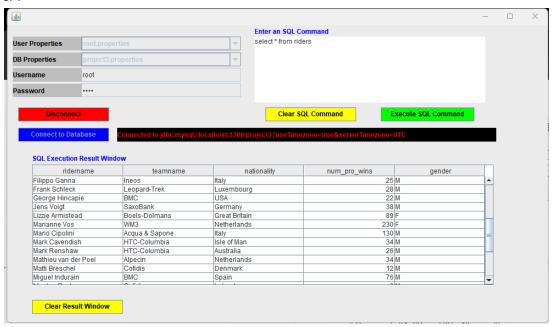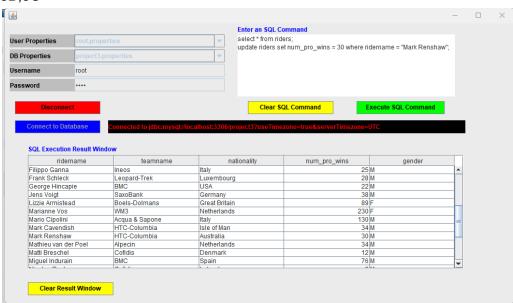# Commands 8A, 8B, and 8C - All project3:
Update rider Mark Renshaw to show number of wins = 30 in the riders table.
* * Do a "before" and "after" selection on the riders table
select * from riders;
update riders set num_pro_wins = 30 where ridername = "Mark Renshaw";
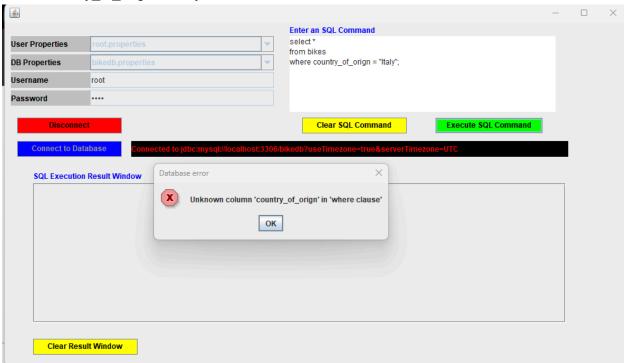select * from riders;

8A

8B,8C

Command 9 - bikedb:
This command is malformed and will not execute
select *
from bikes
where country_of_orign = "Italy";

Commands 10A and 10B - All project3:
update rider Ceylin del Carmen Alvarado to show number of wins = 89 in the riders table.
then query the riders table to list all riders with exactyl 89 wins.
update riders set num_pro_wins = 89 where ridername = 'Ceylin del Carmen Alvarado';
select ridername, num_pro_wins from riders where num_pro_wins = 89;

10A AND 10B