**Scenario 1 Working with courses**

* Write the following queries  
  • which will get added both courses names, created date, course type  
  name and Price

UPDATE qwallity\_db.users

SET role\_id = 1

WHERE username = 'armi';

SELECT \* FROM qwallity\_db.users

WHERE username = 'armi';

SELECT qwallity\_db.courses.title as Courses\_names, qwallity\_db.courses.date\_created,

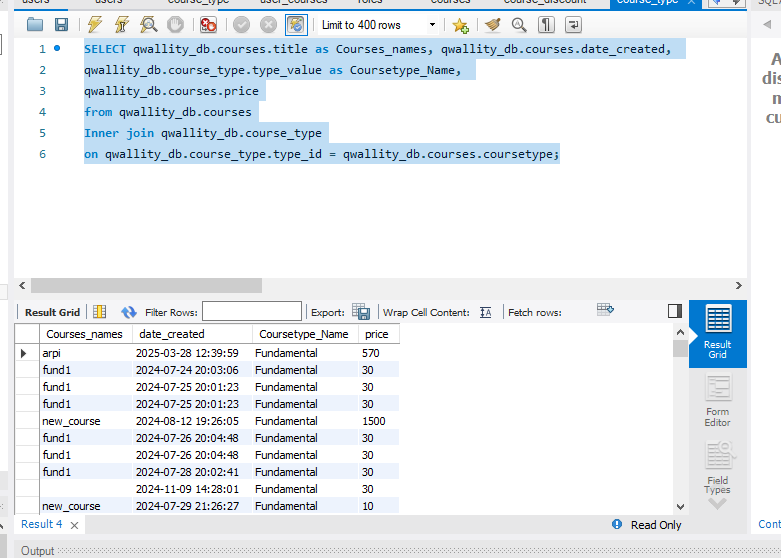
qwallity\_db.course\_type.type\_value as Coursetype\_Name,

qwallity\_db.courses.price

FROM qwallity\_db.courses

INNER JOIN qwallity\_db.course\_type

ON qwallity\_db.course\_type.type\_id = qwallity\_db.courses.coursetype;



SELECT \* FROM qwallity\_db.courses

WHERE title = 'Funda';

* which will update created Fundamental course name to “Updated  
  title Team N”

UPDATE qwallity\_db.courses

SET title = 'Updated title Team N 0'

WHERE id = 9596595;

SELECT \* FROM qwallity\_db.courses

WHERE title = 'Adva';

* which will remove Advance course

DELETE FROM qwallity\_db.courses

WHERE id = 9596596;

**Scenario 2. Buy Courses**

1. As a non-admin, login to system +
2. Buy 2 fundamental and 3 Advanced courses

I deleted the already bought courses and bought new ones.

DELETE FROM qwallity\_db.user\_courses

WHERE id IN (

SELECT id FROM (SELECT id FROM qwallity\_db.user\_courses

WHERE user\_id=447295) as temp\_table

);

SELECT \* FROM qwallity\_db.user\_courses

WHERE User\_id = 447295;

1. Write the following queries  
   • Which will select username and courses id of logged in user

SELECT qwallity\_db.users.username, qwallity\_db.user\_courses.course\_id

FROM qwallity\_db.users

INNER JOIN qwallity\_db.user\_courses

ON qwallity\_db.user\_courses.user\_id = qwallity\_db.users.id

WHERE users.id = 447295;

* Which will insert new Fundamental course for logged in user

INSERT INTO qwallity\_db.user\_courses (user\_id, course\_id)

VALUES (447295, 412);

* Which will select count of Fundamental and Advanced course



* Which will update one of the Advanced course price to ‘20’

UPDATE qwallity\_db.courses

SET Price = 20

WHERE id = 123;

**Scenario 3. Working with users**

Write the following queries  
• Which will give count of the all non admin and admin users

SELECT COUNT(id), role\_id FROM qwallity\_db.users

GROUP BY role\_id

HAVING role\_id IN (1, 2);

Also this way

Select count(id) AS Users,

CASE

When Role\_id = 1 Then 'Admin'

When role\_id = 2 Then 'Non Admin'

End AS ADMNonADM

from qwallity\_db.users

group by role\_id having role\_id IN (1, 2);

* Which will select all users who account is more than 100

SELECT \* FROM qwallity\_db.users

WHERE account > 100;

* Which will group by username and give the count

SELECT COUNT(id), username

FROM qwallity\_db.users

GROUP BY username;

SELECT COUNT(id), username from qwallity\_db.users GROUP BY username

HAVING count(id) > 1;

* Which will give all users who name start with ‘Ann’

SELECT \* FROM qwallity\_db.users

WHERE username LIKE "Ann%";

* Which will give all users who name 2nd letter is ‘n’

SELECT \* FROM qwallity\_db.users

WHERE username LIKE '\_n%';

* Which will insert new user with all fields(encoded password should be  
  copied from db)

INSERT INTO qwallity\_db.users (username, password, email, first\_name,

role\_id, ChangePassword, account, country, city, address, phone\_number,

gender, marital\_status)

VALUES ('Kirkorov', '$5$rounds=535000$00YWXsG.5gUcYU0B$iraF1V/T5XLLMhSZ3FCbyaR./b4Zw2ZNpMtaQ1SyAw6',

'kirkorov@gmail.com', 'Kirkorov', 1, NULL, 3000, 'Russia',

'Moscow', 'aaaa12', '123456789', 'male', 'married');

Everything is correct in the App except for gender and marital status.

**Scenario 4: Working with usergroup –roles**

* Write the query which will add new non admin user(encoded password  
  should be copied from db)

INSERT INTO qwallity\_db.users (username, password, email, first\_name,

role\_id, ChangePassword, account, country, city, address, phone\_number,

gender, marital\_status)

VALUES ('Fillip', '$5$rounds=535000$00YWXsG.5gUcYU0B$iraF1V/T5XLLMhSZ3FCbyaR./b4Zw2ZNpMtaQ1SyAw6',

'fillip@gmail.com', 'Fillip', 2, NULL, 4000, 'Russia',

'Moscow', 'aaaa12', '123456789', 'male', 'married');

* Check that non admin can login to the system via application checked

Everything is correct in the App except for gender and marital status.

* Update role as admin in DB

UPDATE qwallity\_db.users

SET role\_id = 1

WHERE id = 447371;

Or this way

UPDATE qwallity\_db.users

SET role\_id = 1

WHERE id = (

SELECT id FROM ( SELECT id FROM qwallity\_db.users

WHERE username = 'Fillip') as temp\_table);

or

UPDATE qwallity\_db.users

SET role\_id = 1

WHERE id IN (

SELECT id From ( SELECT id FROM qwallity\_db.users

WHERE username = 'Fillip') as temp\_table);

* Login into system and check that you are admin Yes, Fillip is admin.
* Change user pass in DB

UPDATE qwallity\_db.users

SET password =

'$5$rounds=535000$n0l7hDD.xaI1SCUD$t4N8Z4vvmlvM9ke6JcQGGRxQmDJEQ2Nuri4HBPGszd/'

WHERE id = 447371;

or

UPDATE qwallity\_db.users

SET password =

'$5$rounds=535000$n0l7hDD.xaI1SCUD$t4N8Z4vvmlvM9ke6JcQGGRxQmDJEQ2Nuri4HBPGszd/'

WHERE id IN (

SELECT id FROM ( SELECT id FROM qwallity\_db.users

WHERE username = 'Fillip') as temp\_table);

* Try to login again in system  
  • Check that user is not able to login into system

Fillip managed to log in with new password.