**ПРЕИМЕНУВАНЕ НА ТАБЛИЦА КОЛОНА**

Aliases ->AS

SELECT e.id AS 'No.',

e.first\_name AS 'First Name',

e.last\_name AS 'Last Name',

e.job\_title AS 'Job Title'

FROM employees AS e ORDER BY id;

**ПРЕИМЕНУВАНЕ и Обединяване на КОЛОНИ**

concat и concat\_wc

SELECT concat(`first\_name`,' ',`last\_name`) AS 'full\_name',

`job\_title` as 'Job Title',

`id` AS 'No.'

FROM `employees`;

**ЕЛИМИНАЦИЯ НА ДУБЛИРАЩИ ЗАПИСИ DISTINCT**

SELECT DISTINCT `department\_id`

FROM `employees`;

**Conditions NOT, OR, AND and bracket**

SELECT `last\_name` FROM `employees`

WHERE NOT (`manager\_id` = 3 OR `manager\_id` = 4);

**Conditions BETWEEN**

SELECT `last\_name`, `salary` FROM `employees`

WHERE `salary` BETWEEN 20000 AND 22000;

**Conditions IN / NOT IN**

SELECT `first\_name`, `last\_name`, `manager\_id`

FROM `employees`

WHERE `manager\_id` IN (109, 3, 16);

**Conditions IS NULL / IS NOT NULL**

SELECT `last\_name`, `manager\_id`

FROM `employees`

WHERE `manager\_id` IS NULL;

SELECT `last\_name`, `manager\_id`

FROM `employees`

WHERE `manager\_id` IS NOT NULL;

**Conditions IS NULL / IS NOT NULL**

SELECT `last\_name`, `manager\_id`

FROM `employees`

WHERE `manager\_id` IS NULL;

SELECT `last\_name`, `manager\_id`

FROM `employees`

WHERE `manager\_id` IS NOT NULL

**ORDER BY ASC/DESC**

SELECT `last\_name`, `hire\_date`

FROM `employees`

ORDER BY `hire\_date`;

SELECT `last\_name`, `hire\_date`

FROM `employees`

ORDER BY `hire\_date` DESC;

**VIEWS**

CREATE VIEW `v\_hr\_result\_set` AS SELECT

CONCAT(`first\_name`,' ',`last\_name`) AS 'Full Name', `salary`

FROM `employees` ORDER BY `department\_id`;

SELECT \* FROM `v\_hr\_result\_set`;

CREATE VIEW `v\_top\_paid\_employee`

AS

SELECT \* FROM `employees`

ORDER BY `salary` DESC LIMIT 1;

SELECT \* FROM `v\_top\_paid\_employee

**INSERTING DATA**

SELECT `first\_name`, `last\_name`, `manager\_id`

FROM `employees`

WHERE `manager\_id` IN (109, 3, 16);

INSERT INTO projects(name, start\_date)

SELECT CONCAT(name,' ', ' Restructuring'), NOW()

FROM departments;

**UPDATING DATA**

UPDATE `employees`

SET `last\_name` = 'Brown'

WHERE `employee\_id` = 1;

UPDATE `employees`

SET `salary` = `salary` \* 1.10,

`job\_title` = CONCAT('Senior',' ', `job\_title`)

WHERE `department\_id` = 3;

**DELETING DATA**

DELETE FROM `employees`

WHERE `employee\_id` = 1;

TRUNCATE TABLE users;

DELETE FROM employees

WHERE department\_id = 1

OR department\_id = 2;

SELECT \* FROM employees