Chapter Special 2
Advance SQL

- 88822264 Database Systems and Design
ระบบฐานข้อมูลและการออกแบบระบบฐานข้อมูล

หัวข้อ/สาระการเรียนรู้

01 MySQL Views
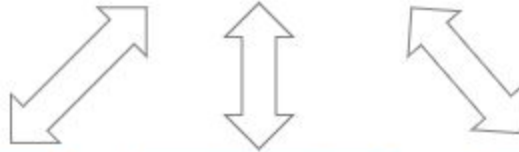
02 Suggestion of Naming

01
MySQL Views

```
CREATE VIEW V AS
  SELECT C2, C3, C5, C7
  FROM T1
  INNER JOIN T2...
  INNER JOIN T3...
```

MySQL CREATE VIEW statement

CREATE [OR REPLACE] VIEW [db_name.]view_name [(column_list)]

AS

 select-statement;

Example

```
CREATE VIEW allNameEmployee AS
   SELECT CONCAT(emp_fname,' ', emp_lname) as name
   FROM employees;
```

MySQL DROP VIEW statement

DROP VIEW [IF EXISTS] view_name;

Example

DROP VIEW IF EXISTS allNameEmployee;

02
MySQL simple IF-THEN statement

MySQL IF statement

IF condition THEN

   statements;

END IF;

03

MySQL simple CASE statement

MySQL Case statement

CASE case_value

   WHEN when_value1 THEN statements

   WHEN when_value2 THEN statements

   ...

   [ELSE else-statements]

END CASE;

04
MySQL Window Functions

MySQL Windows function statement

window_function_name(expression) OVER (

    [partition_defintion]

    [order_definition]

    [frame_definition]

)

Example

```
SELECT
    fiscal_year,
    sales_employee,
    sale,
    SUM(sale) OVER (PARTITION BY fiscal_year) total_sales
FROM
    sales;
```

https://www.mysqltutorial.org/mysql-window-functions/

Do you have any questions

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Reference

- Webdevetc. (2022). Laravel Naming Conventions - Web dev etc - my software development blog. https://webdevetc.com/blog/laravel-naming-conventions/.

- Xqsit. (n.d.). Naming Conventions - Laravel Guidelines. https://xqsit.github.io/laravel-coding-guidelines/docs/naming-conventions/.

- Theserverside. (n.d.). A guide to common variable naming conventions | TechTarget. https://www.theserverside.com/feature/A-guide-to-common-variable-naming-conventions.

- Curc. (n.d.). Coding best practices — Research Computing University of Colorado Boulder documentation. https://curc.readthedocs.io/en/latest/programming/coding-best-practices.html.