

**Exercise 1) order by**

Use table TB\_STU\_STUDENT , find student class, classno, name.

Sort the result set by class and class no.

Reminder: How to check the field name? Go to Data Mgmt > Report

**Answer:**

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**Exercise 2) substring**

Use table TB\_STU\_STUDENT , find out the classcode, class no. , student name, first 6 digits of strn of each student, order by class and class no., and format the student name as , e.g. Chan Tai Man (陳大文)

**Answer:**

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**Exercise 3) where**

Also display the date of date of birth (DOB) field, with format DD/MM/YYYY

The birthday should be in 2005, and the class code should not be empty

Hint: Use the function `year(field_name)`

**Answer:**

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#### **Exercise 4) function**

1) Use table TB\_STU\_STUDENT, find how many student in the class 1A, 2B, 3C and 4D respectively:

Hint: Use the function *count*(field\_name)

**Answer:**

2) Use table TB\_STU\_STUSCHREC, find the first attend date of each student:

Hint: Use the function *min*(field\_name)

**Answer:**

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#### **Exercise 5) having**

1) Continue exercise 4.1, find out the class with more than 40 students within the class 1A, 2B and 3C and 4D :

**Answer:**

2) Use table TB\_STU\_STUSCHREC, find out the student who join the school after 2016-09-02:

Hint: First find the minimum 'First Attend Date', then use having for filtering

**Answer:**

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**Exercise 6.1) case when**

From subject assessment table (TB\_ASR\_SUBJASSESSDATA),  
Find student id (stuid), subjcode (subjcode), and score (sysscore).  
For code 135, display 'economics',  
for code 165, display 'english', others display 'Others'  
School year and time sequence should be 2023 and 1100 respectively.

Given SQL:

```
select stuid, subjcode, subjcode 'Subj name', sysscore
from TB_ASR_SUBJASSESSDATA
where schyear=2023
and timeseq=1100
```

**Answer:**

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**Exercise 6.2) case when**

From parent table (TB\_STU\_PARENT),  
find the name of parents, and the relation value.  
For the relation value, display 'mother' for '01' , 'father' for '02', 'other' for other values.

**Answer:**

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### Exercise 7.1) inner join

抽取 2023 年 Term 1 全校平均分獲 70 分或以上的學生名單

Table: VW\_STU\_LATESTSTUDENT and TB\_ASR\_STUDASSESSDATA

Use inner join.

**Answer:**

參數例子： TIMESEQ -- 1000 (全年), 1100 (T1), 1201 (T2A1), 1302 (T3A2)

SYSPERCSCORE -- 平均分下限

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### Exercise 7.2) common code table

Find the parent name and translate the code of each parent by the common code table:

**Answer:**

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### Exercise 8.1) left outer join

抽取 2017 年中一級學生 Term1 考試的中文科成績

Table: VW\_STU\_LATESTSTUDENT and  
TB\_ASR\_SUBJASSESSDATA

Use left outer join join.

Hints: subject code = '080'

**Answer:**

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### Exercise 8.2)

再抽取 2017 年中一級學生 Term1 考試的英文科成績

Hints: subject code = '165'

**Answer:**

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