

Week 2 基本 SQL Query

1. SELECT

```
SELECT column1, column2, ...  
FROM table_name;
```

2. WHERE

```
SELECT column1, column2, ...  
FROM table_name  
WHERE condition;
```

3. AND, OR, NOT

```
SELECT column1, column2, ...  
FROM table_name  
WHERE condition1 AND condition2 AND condition3 ...;  
  
/* ----- */  
  
SELECT column1, column2, ...  
FROM table_name  
WHERE condition1 OR condition2 OR condition3 ...;  
  
/* ----- */  
  
SELECT column1, column2, ...  
FROM table_name  
WHERE NOT condition;
```



練習 1.

使用 dvdrental Database 列出所有動作片（Action）的 ID、片名以及其種類名稱（請務必按照順序呈現）

4. LIKE

```
SELECT column1, column2, ...
FROM table_name
WHERE columnN LIKE pattern;
```

LIKE

 LIKE Operator	 Description
<u>WHERE CustomerName LIKE 'a%'</u>	Finds any values that start with "a"
<u>WHERE CustomerName LIKE '%a'</u>	Finds any values that end with "a"
<u>WHERE CustomerName LIKE '%or%'</u>	Finds any values that have "or" in any position
<u>WHERE CustomerName LIKE '_r%'</u>	Finds any values that have "r" in the second position
<u>WHERE CustomerName LIKE 'a_ %'</u>	Finds any values that start with "a" and are at least 2 characters in length
<u>WHERE CustomerName LIKE 'a__ %'</u>	Finds any values that start with "a" and are at least 3 characters in length
<u>WHERE ContactName LIKE 'a%o'</u>	Finds any values that start with "a" and ends with "o"

5. BETWEEN

```
SELECT column_name(s)
FROM table_name
WHERE column_name BETWEEN value1 AND value2;
```

6. ORDER BY

```
SELECT column1, column2, ...
FROM table_name
ORDER BY column1, column2, ... ASC|DESC;
```

練習 2.

使用 dvdrental Database，列出所有 "B" 開頭的電影中，每個電影種類的種類名稱與各種類的影片數，並依數量由大至小排列

練習 3.

使用 dvdrental Database，列出所有片長（length）介於 90 至 130 分鐘的科幻片（Sci-fi）、喜劇片（Comedy）以及恐怖片（Horror）其片名、片長及種類