DB Assignment

2019.4.9 이창윤

Join 의미 이해 문제

```
use 학사db;
# 1. F 테이블에 대하 join
select S.name as 이글, CT.cid as 과목로드, CT.grade as 항정
from student as S, course taken as CT
where S.id = CT.sid;
# 2. 세 테이블에 대한 join
select S.name as 이름, C.name as 과목명, CT.grade as 학점
from student as S, course as C, course taken as CT
```

where S.id = CT.sid and C.id = CT.cid;

2

름	코드	학점		哥	과목명	학점
한나라	cs111	2	Þ	한나라	기초전산	2
한나라	cs211	4		한나라	수치해석	4
한나라	cs221	3		한나라	자료구조론	3
한나라	cs222	3		한나라	시스템프로그래밍	3
한나라	cs311	3		한나라	컴퓨터 구조론	3
한나라	cs321	4		한나라	프로그래밍언어론	4
한나라	cs411	4		한나라	데이타베이스	4
강동회	ss111	2		강동희	전산통계	2
강동희	cs111	4		강동희	기초전산	4
강동희	cs221	4		강동희	자료구조론	4
강동회	ss311	4		강동회	응용해석학	4
강동희	ss312	4		강동회	통계적 품질관리	4
강동회	ss321	3		강동희	회귀분석	3
허영만	cs111	2		허영만	기초전산	2
허영만	cs211	2		허영만	수치해석	2
허영만	cs222	1		허영만	시스템프로그래밍	1

SQL문 문제 - A

```
# A-1

select S.name as 이용, C.name as 고전명, D.name 학교명

from student as S, course as C, department as D, course_taken as CT

where C.instructor in (select I.pid from instructor as I where I.name = '이용명')

and C.id = CT.cid and S.id = CT.sid

and S.major in (null, D.id);
```

A-2

• select S.name as o| ∈ from student as S

○ where S.name not in (select S.name

from student as S, course_taken as CT
where CT.cid IN ('sslll','ss3ll','ss3l2','ss32l')
and CT.sid = S.id);

	이름	교과	학과 명
•	강동희	전산통계	통계전공
	이미숙	전산통계	통계전공
	강동희	회귀분석	통계전공

2.		이름
	•	한나라
		허영만
		이동주
		조용필
		조용기

SQL문 문제 - A

A-4

```
* A-3

• select distinct C.id as 과목원교, C.name as 과목형
from course as C, course_taken as CT

• where C.id not in (select CT.cid
from course_taken as CT
where CT.year_taken in (1997, 1998));
```

4. 이 금 ▶ 한나라 하영만

```
• select S.name as o|=
from student as S
where S.id in (select CT.sid from course_taken as CT, course as C where C.name = '기록받' and C.id = CT.cid)
and S.id in (select CT.sid from course_taken as CT, course as C where C.name = '예이템에이스' and C.id = CT.cid);
```

SQL문 문제 - B

```
# 8-1

• select count(C.id) as 'sA| ⊕'
from city as C, country as N
where N.Name = 'China' and N.code = C.CountryCode;

# 8-2

• select N.Name as o|æ, N.Population as 'Q□⊋ ⊕'
from country as N
```

where N.Population in (select min(Population) from country);

1



2.

	이름	인구 수
>	Antarctica	0
	French Southern territories	0
	Bouvet Island	0
	Heard Island and McDonald Islands	0
	British Indian Ocean Territory	0
	South Georgia and the South Sandwich Islands	0
	United States Minor Outlying Islands	0

SQL문 문제 - B

```
# B-3
```

• select distinct CN.Language as @O| from countrylanguage as CN where CN.CountryCode in (select Code from country where Region = 'Caribbean');

8-4

• select distinct N.Code as মুপ্তরত, N.Name as া্ৰ from country as N, countrylanguage as CN where N.Code not in (select CountryCode from countrylanguage);



4.

	지역 코드	이름
Þ	ATA	Antarctica
	ATF	French Southern territories
	BVT	Bouvet Island
	HMD	Heard Island and McDonald Islands
	IOT	British Indian Ocean Territory
	SGS	South Georgia and the South Sandwich Islands

SQL문 문제 - B

```
# B-5
```

• select C1.Name as ⊆A/g, C1.id as ⊒∈1, C2.id as ⊒∈2 from city as C1, city as C2 where C1.Name = C2.Name and C1.ID <> C2.ID;

	도시명	코드	코드
	200	1	2
Þ	Ede	2759	29
	Saint JohnÂ's	1851	63
	CÃ3rdoba	664	71
	Córdoba	2600	71
	San Miguel	649	95
	San Miguel	843	95
	San Fernando	802	109
	San Fernando	876	109
	San Juan	2919	118
	Newcastle	734	137
	Hamilton	1821	191
	Hamilton	3501	191
	La Paz	2586	194
	La Paz	2589	194
	Santa Maria	828	293

5.

SQL문 문제 - C

```
use pubs;# C-1
```

```
20
```

• select T.title as 제목
from titles as T, publishers as P
where T.pub_id in (select pub_id from publishers where pub_name = 'Binnet & Hardley');

```
# C-2
```

• select concat(E.fname, ''', E.lname) as olg from employee as E where E.hire_date between '1990-01-01' and '1990-12-31';

Annette Roulet

Daniel Tonini

Elizabeth Lincoln

Francisco Chang

Laurence Lebihan

Martin Sommer Pedro Afonso Victoria Ashworth

이름

제모 Silicon Valley Gastronomic Treats The Gourmet Microwave The Psychology of Computer Cooking Computer Phobic AND Non-Phobic Individuals: B... Onions, Leeks, and Garlic: Cooking Secrets of t... Fifty Years in Buckingham Palace Kitchens Sushi, Anyone? Silicon Valley Gastronomic Treats The Gourmet Microwave The Psychology of Computer Cooking Computer Phobic AND Non-Phobic Individuals: B... Onions, Leeks, and Garlic: Cooking Secrets of t... Fifty Years in Buckingham Palace Kitchens Sushi, Anyone? Silicon Valley Gastronomic Treats The Courmet Microwave The Psychology of Computer Cooking

SQL문 문제 - D

use classicmodels:

D-1

select O.orderNumber as মুমুল, C.customerName as 'মুল ০০০', E.lastName as মুমুল, O.orderDate as 'মুল গুন', O.comments as ০০০০
from orders as O, customers as C, employees as E
where O.status = 'Resolved'
and C.customerNumber = O.customerNumber
and C.salesRepEmployeeNumber = E.employeeNumber;

D-2

select P.productName as 상품명 from products as P, orderdetails as OT where OT.orderNumber = 10100 and OT.productCode = P.productCode;

1.		주문 변호	고객 이름	작원명	주문 일 자	이유
	>	10164	Mini Auto Werke	Castillo	2003-10-21	This order was disputed, but resolved on 11/1/
		10327	Danish Wholesale Imports	Castillo	2004-11-10	Order was disputed and resolved on 12/1/04. T
		10367	Toys4GrownUps.com	Thompson	2005-01-12	This order was disputed and resolved on 2/1/20
		10386	Euro + Shopping Channel	Hernandez	2005-03-01	Disputed then Resolved on 3/15/2005. Custom

상품명

1917 Grand Touring Sedan
1917 Ford Town Car
1932 Alfa Romeo 8C2300 Spider Sport
1936 Mercedes Benz 500k Roadster