

데이터베이스시스템

Report 1



SINCE 1947
SEO KYEONG
UNIVERSITY

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< 1번 >

The screenshot shows the SQL Developer interface. On the left, the 'Object Explorer' pane displays the database structure for 'DESKTOP-BNQQQJV#'. The main window shows a query titled 'SQLQuery2.sql -...QQQJV#ehdal (57))' with the following SQL code:

```
/* 1번 */  
select dept_name, building  
from department  
where budget > 100000
```

The query results are displayed in a table with two columns: 'dept_name' and 'building'. The result shows one row: 'Finance' and 'Painter'.

	dept_name	building
1	Finance	Painter

< 2번 >

The screenshot shows the SQL Developer interface. On the left, the 'Object Explorer' pane displays the database structure for 'DESKTOP-BNQQQJV#'. The main window shows a query titled 'SQLQuery3.sql -...QQQJV#ehdal (62))' with the following SQL code:

```
/* 2번 */  
select dept_name, count(ID) cnt, avg(salary) as salary_avg  
from instructor  
where salary >= 80000  
group by dept_name
```

The query results are displayed in a table with three columns: 'dept_name', 'cnt', and 'salary_avg'. The result shows four rows:

	dept_name	cnt	salary_avg
1	Comp. Sci.	1	92000,000000
2	Elec. Eng.	1	80000,000000
3	Finance	2	85000,000000
4	Physics	2	91000,000000

< 3번 >

The screenshot shows the SQL Developer interface. The left pane displays the database structure with 'DESKTOP-BNQQJV4' selected, showing '데이터베이스' (Database) and 'SmallDB'. The main pane shows a SQL query in 'SQLQuery4.sql':

```
/* 3번 */
select course.dept_name, count(course_id) as num
from course, department
where course.dept_name = department.dept_name
group by course.dept_name
```

The '결과' (Results) tab is active, showing a table with 7 rows:

	dept_name	num
1	Biology	3
2	Comp. Sci.	5
3	Elec. Eng.	1
4	Finance	1
5	History	1
6	Music	1
7	Physics	1

< 4번 >

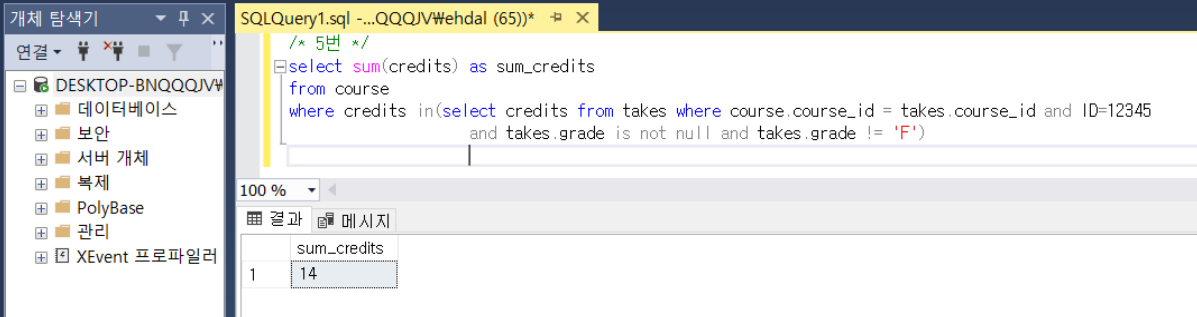
The screenshot shows the SQL Developer interface. The left pane displays the database structure with 'DESKTOP-BNQQJV4' selected, showing '데이터베이스' (Database) and 'SmallDB'. The main pane shows a SQL query in 'SQLQuery5.sql':

```
/* 4번 */
select sum(credits) as sum_credits
from course, takes
where course.course_id = takes.course_id and ID = 12345 and (takes.grade is not null and takes.grade != 'F')
```

The '결과' (Results) tab is active, showing a table with 1 row:

	sum_credits
1	14

< 5번 >



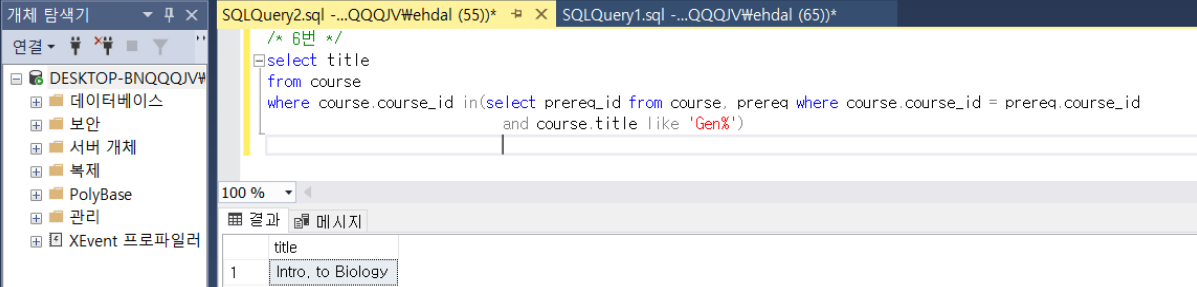
The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Server Enterprise Explorer' tree is visible, showing the 'DESKTOP-BNQQJVW' server. The 'Database' folder is expanded, showing '데이터베이스', '보안', '서버 개체', '복제', 'PolyBase', '관리', and 'XEvent 프로파일러'. The main window displays a query window titled 'SQLQuery1.sql - ...QQJV#ehdal (65))' with a SQL query:

```
/* 5번 */
select sum(credits) as sum_credits
from course
where credits in(select credits from takes where course.course_id = takes.course_id and ID=12345
and takes.grade is not null and takes.grade != 'F')
```

The query results are displayed in a table with the following data:

sum_credits
14

< 6번 >



The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Server Enterprise Explorer' tree is visible, showing the 'DESKTOP-BNQQJVW' server. The 'Database' folder is expanded, showing '데이터베이스', '보안', '서버 개체', '복제', 'PolyBase', '관리', and 'XEvent 프로파일러'. The main window displays a query window titled 'SQLQuery2.sql - ...QQJV#ehdal (55))' with a SQL query:

```
/* 6번 */
select title
from course
where course.course_id in(select prereq_id from course, prereq where course.course_id = prereq.course_id
and course.title like 'Gen%')
```

The query results are displayed in a table with the following data:

title
Intro. to Biology

< 7번 >

The screenshot shows the SQL Developer interface. On the left is the 'Object Explorer' pane with a tree view containing 'DESKTOP-BNQQJV#', '데이터베이스', '보안', '서버 개체', '복제', 'PolyBase', '관리', and 'XEvent 프로파일러'. The main window displays a SQL query in the 'SQLQuery3.sql' tab. The query is as follows:

```
/* 7번 */
select name, dept_name, salary
from instructor
where salary > all(select salary from instructor where dept_name = 'Finance')
```

Below the query editor, the 'Results' pane shows the execution results in a table format. The table has columns: name, dept_name, salary. The results are:

	name	dept_name	salary
1	Einstein	Physics	95000,00
2	Brandt	Comp. Sci.	92000,00

< 8번 >

The screenshot shows the SQL Developer interface. On the left is the 'Object Explorer' pane with a tree view containing 'DESKTOP-BNQQJV#', '데이터베이스', '보안', '서버 개체', '복제', 'PolyBase', '관리', and 'XEvent 프로파일러'. The main window displays a SQL query in the 'SQLQuery4.sql' tab. The query is as follows:

```
/* 8번 */
select *
from time_slot
where exists (select * from section where time_slot.time_slot_id = section.time_slot_id and
            exists (select * from instructor where instructor.name = 'Srinivasan' and
                    exists (select * from teaches where instructor.ID = teaches.ID and semester = 'Spring'
                            and year = 2010
                            and section.course_id = course_id)))
```

Below the query editor, the 'Results' pane shows the execution results in a table format. The table has columns: time_slot_id, day, start_hr, start_min, end_hr, end_min. The results are:

	time_slot_id	day	start_hr	start_min	end_hr	end_min
1	D	F	13	0	13	50
2	D	M	13	0	13	50
3	D	W	13	0	13	50

< 9번 >

The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'DESKTOP-BNQQJVW' server is expanded, showing folders for '데이터베이스' (Databases), '보안' (Security), '서버 개체' (Server Objects), '복제' (Replication), 'PolyBase', '관리' (Management), and 'XEvent 프로파일러' (XEvent Profiler). The main pane displays a query window titled 'SQLQuery5.sql - ...QQQJV#ehdal (67))' with the following SQL code:

```

/* 9번 */
select ID, name
from student
where not exists((select course_id from instructor, teaches where instructor.ID = teaches.ID and instructor.ID = 10101)
except(select course_id from takes where student.ID = takes.ID and (takes.grade is not null and takes.grade != 'F')))
  
```

Below the query window, the '결과' (Results) tab is active, showing a single row of data:

ID	name
12345	Shankar

< 10번 >

The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'DESKTOP-BNQQJVW' server is expanded, showing folders for '데이터베이스' (Databases), '보안' (Security), '서버 개체' (Server Objects), '복제' (Replication), 'PolyBase', '관리' (Management), and 'XEvent 프로파일러' (XEvent Profiler). The main pane displays a query window titled 'SQLQuery6.sql - ...QQQJV#ehdal (58))' with the following SQL code:

```

/* 10번 */
select dept_name, budget, (select avg(student.tot_cred)
from student
where department.dept_name = student.dept_name) as avg_credits
from department
  
```

Below the query window, the '결과' (Results) tab is active, showing a table with 7 rows of data:

dept_name	budget	avg_credits
Biology	90000.00	120,000000
Comp. Sci.	100000.00	61,500000
Elec. Eng.	85000.00	79,000000
Finance	120000.00	110,000000
History	50000.00	80,000000
Music	80000.00	38,000000
Physics	70000.00	34,000000