

데이터 쿼리문(ANSI-SQL)

요구사항	C-02	작성일	2022-05-17
요구사항명	교사-내 강의 스케줄 조회	작성자	백재민

DML

-- 내 개설과정 강의 스케줄 조회

```
select
  c.course_seq as "강의번호",
  n.course_neme as "강의 과정명",
  case when sysdate < c.c_start_date then '강의예정'
  when sysdate between c.c_start_date and c.c_end_date then '강의중'
  when sysdate > c.c_end_date then '강의종료' end as "강의상태"
from tblCourse c
  inner join tblcoursename n
    on c.cname_seq = n.cname_seq
  where c.teacher_seq =
    (select teacher_seq from tblteacher where t_name = '최경하' and t_password = 2532102) order by c.c_end_date desc;
```

-- 내 스케줄 내 개설과정번호 선택

```
select
  distinct s.subname_seq as "과목번호",
  n.course_neme as "과정명",
  c.c_start_date as "과정시작일",
  c.c_end_date as "과정종료일",
  sj.subname as "과목명",
```

```

s.csstart_date as "과목시작일",
s.csend_date as "과목종료일",
r.room_name "강의실명",
(select count(*) from tblSugang where course_seq = 25) as "수강 인원"
from tblCourse c
inner join tblCourseName n
on c.cname_seq = n.cname_seq
inner join tblCSub s
on c.course_seq = s.course_seq
inner join tblSubjectName sj
on s.subname_seq = sj.subname_seq
inner join tblRoom r
on c.room_seq = r.room_seq
inner join tblSubjectTxt st
on sj.subname_seq = st.subname_seq
where c.course_seq = 25;

-- 과목에 따른 교재 출력 > 내 스케줄 강의선택 시 출력되어야함 but 중복이 너무 많아서 따로처리
select
distinct sn.subname_seq as "과목번호",
sn.subname as "과목명",
tb.name as "교재명"
from tblSubjectName sn
inner join tblSubjectTxt st
on st.subname_seq = sn.subname_seq
inner join tblTextBook tb
on st.txtbook_seq = tb.txtbook_seq

```

```
order by sn.subname_seq;
```

```
-- 내 스케줄 내 개설과정선택 과목 선택
```

```
select
```

```
    m.m_name "교육생 이름",
```

```
    m.m_tel "전화번호",
```

```
    m.m_registdate "등록일",
```

```
    su.progress "수강상태"
```

```
from tblCSub cs
```

```
    inner join tblCourse c
```

```
        on cs.course_seq = c.course_seq
```

```
        inner join tblSugang su
```

```
            on c.course_seq = su.course_seq
```

```
            inner join tblMember m
```

```
                on su.member_seq = m.member_seq
```

```
                where cs.subname_seq = 9 and c.course_seq = 25;
```

요구사항	C-03	작성일	2022-05-17
요구사항명	교사-배점 입출력	작성자	박채은
DML			
-- C-03 교사 - 배점입출력			
-- 교사 로그인			
select * from tblTeacher where t_password = 2142021;			

-- 배점 입출력 출력

-- 과목번호/과정명/과정시작일/과정종료일/강의실/과목명/과목시작일/과목종료일/교재명/출결/필기배점/실기배점

select

cs.csub_seq as 과목번호,
c.c_start_date as 과정시작일,
c.c_end_date as 과정종료일,
r.room_name as 강의실,
sn.subname as 과목명,
cs.csstart_date as 과목시작일,
cs.csend_date as 과목종료일,
sp.attend_point as 출결배점,
sp.pilgi_point as 필기배점,
sp.silgi_point as 실기배점

from tblCourse c

inner join tblRoom r

on c.room_seq = r.room_seq

inner join tblCourseName cn

on c.cname_seq = cn.cname_seq

inner join tblCSub cs

on c.course_seq = cs.course_seq

inner join tblSubjectName sn

on cs.subname_seq = sn.subname_seq

left outer join tblSubtPoint sp

on cs.csub_seq = sp.csub_seq

where c.teacher_seq = (select teacher_seq from tblTeacher where t_password = 2142021) and cs.csend_date < sysdate and sysdate <
c.c_end_date

```
order by cs.csstart_date;
```

```
-- 교재명 출력
```

```
select
```

```
    distinct
```

```
    tb.name as 교재명,
```

```
    sn.subname
```

```
from tblCourse c
```

```
    inner join tblCSub cs
```

```
        on c.course_seq = cs.course_seq
```

```
        inner join tblSubjectName sn
```

```
            on cs.subname_seq = sn.subname_seq
```

```
            inner join tblSubjectTxt st
```

```
                on sn.subname_seq = st.subname_seq
```

```
                inner join tblTextBook tb
```

```
                    on st.txtbook_seq = tb.txtbook_seq;
```

```
-- 과목번호 선택
```

```
select
```

```
    sp.attend_point as 출결배점,
```

```
    sp.pilgi_point as 필기배점,
```

```
    sp.silgi_point as 실기배점,
```

```
    td.test_date as 시험날짜,
```

```
    tn.test_type as 유형,
```

```
    tn.test as 시험문제
```

```
from tblCSub cs
```

```
left outer join tblSubtPoint sp
  on cs.csub_seq = sp.csub_seq
  inner join tblSubjectName sn
    on cs.subname_seq = sn.subname_seq
    left outer join tbltestdate td
      on cs.csub_seq = td.csub_seq
      left outer join tblTest t
        on td.testnum_seq = t.testnum_seq
        left outer join tblTestName tn
          on t.testname_seq = tn.testname_seq
where cs.csub_seq = 152;
```

-- 특정과목 선택 시 출결/필기/실기 배점 입력

-- !배점 100점 실패 시 안되는 프로시저 필요!

```
select * from tblsubtpoint;
```

```
insert into tblSubtPoint (subpoint_seq, attend_point, pilgi_point, silgi_point, teacher_seq, csub_seq) values (37, 20, 30, 50, 3, 152);
```

-- 문제 등록하는 법

-- insert into tblTestName(testname_seq, test, test_type, subname_seq) values (시험문제번호pk, 시험문제, 유형, 과목명번호fk);

-- insert into tblTest(testnum_seq, teacher_seq, testname_seq) values(교사가정한시험문제번호pk, 교사번호fk, 시험문제번호fk);

-- insert into tblTestDate(testdate_seq, test_date, testnum_seq, csub_seq) values(시험날짜번호pk, 시험날짜, 교사가정한시험문제번호, 개설과정내과목번호);

-- 1. TestName 있는 문제 등록

-- testName에 있는 내용 > test > testDate에 연결

```
insert into tblTest(testnum_seq, teacher_seq, testname_seq) values(73, 3, 5);
insert into tblTestDate(testdate_seq, test_date, testnum_seq, csub_seq) values(73, '2022-03-21', 73, 152);
```

-- 2. 새로운 시험문제 등록

```
insert into tblTestName(testname_seq, test, test_type, subname_seq) values(77, 'Java실기문제 추가', '실기', 3);
insert into tblTest(testnum_seq, teacher_seq, testname_seq) values(74, 3, 77);
insert into tblTestDate(testdate_seq, test_date, testnum_seq, csub_seq) values(74, '2022-03-22', 74, 152);
```

요구사항	C-04	작성일	2022-05-17
요구사항명	교사-성적 입출력	작성자	백재민

DML

-- 내 개설과정 강의종료 과목

```
select
  cs.csub_seq as "과목번호",
  sj.subname as "과목명",
  case
    when cs.csend_date < sysdate then '진행 종료'
  end as "진행 상태"
from tblCSub cs
  inner join tblCourse c
    on cs.course_seq = c.course_seq
  inner join tblSubjectname sj
    on cs.subname_seq = sj.subname_seq
  where cs.csend_date < sysdate and c.teacher_seq =
```

```
(select teacher_seq from tblteacher where t_name = '최경하' and t_password = 2532102)
order by cs.csstart_date asc;
```

-- 개설과목 선택

```
select
  distinct cs.csub_seq as "개설과목번호",
  cn.course_neme as "개설과정명",
  c.c_start_date as "과정시작일",
  c.c_end_date as "과정종료일",
  r.room_name as "강의실명",
  sj.subname as "개설과목명",
  cs.csstart_date as "과목시작일",
  cs.csend_date as "과목종료일",
  sp.attend_point as "출결 배점",
  sp.pilgi_point as "필기 배점",
  sp.silgi_point as "실기 배점",
  (case when s.silgi_score is not null then 'Y' else 'N' end) as 성적등록여부
from tblCSub cs
  left outer join tblCourse c
    on cs.course_seq = c.course_seq
    left outer join tblCourseName cn
      on c.cname_seq = cn.cname_seq
    left outer join tblRoom r
      on c.room_seq = r.room_seq
    left outer join tblSubjectName sj
      on cs.subname_seq = sj.subname_seq
    left outer join tblSubjectTxt st
```



```

        on sj.subname_seq = st.subname_seq
        left outer join tblTextBook tb
            on st.txtbook_seq = tb.txtbook_seq
        left outer join tblSugang su
            on c.course_seq = su.course_seq
        left outer join tblSubtPoint sp
            on sp.csub_seq = cs.csub_seq
        left outer join tblScore s
            on cs.csub_seq = s.csub_seq
        where cs.csub_seq = 142 and c.teacher_seq =
            (select teacher_seq from tblteacher where t_name = '최경숙' and t_password = 2532102);

```

-- 과목에 따른 교재 출력 > 내 스케줄 강의선택 시 출력되어야함 but 중복이 너무 많아서 따로처리 > 이미 완료

select

```

    distinct sn.subname_seq as "과목번호",
    sn.subname as "과목명",
    tb.name as "교재명"

```

from tblSubjectName sn

```

    inner join tblSubjectTxt st

```

```

        on st.subname_seq = sn.subname_seq

```

```

        inner join tblTextBook tb

```

```

            on st.txtbook_seq = tb.txtbook_seq

```

```

            order by sn.subname_seq;

```

-- 특정 과목 번호 선택

select

```

    su.sugang_seq as "수강생 번호",

```

```

m.m_name as "수강생 이름",
m.m_tel as "전화번호",
su.progress as "수강상태",
ss.stop_date as "중도탈락일",
s.attend_score as "출결점수",
s.pilgi_score as "필기점수",
s.silgi_score as "실기점수"
from tblMember m
  inner join tblSugang su
    on m.member_seq = su.member_seq
  left outer join tblStustop ss
    on su.sugang_seq = ss.sugang_seq
  inner join tblCourse c
    on su.course_seq = c.course_seq
  inner join tblCsub cs
    on c.course_seq = cs.course_seq
  left outer join tblScore s
    on cs.csub_seq = s.csub_seq
  where cs.csub_seq = 143
  order by su.sugang_seq;

-- 수강생 번호 선택 > 시험 점수 등록
insert into tblScore values ((select max(score_seq)+1 from tblScore), 20, 30, 50, 1, (select sugang_seq from tblSugang where sugang_seq = 5));

select * from tblScore;

```

요구사항	C-05	작성일	2022-05-17
요구사항명	교사-출결 관리 및 출결 조회	작성자	백재민

DML

-- 출결 관리 및 조회 내 개설프로세스

select

c.course_seq as "강의번호",

n.course_name as "강의 과정명",

case

when sysdate < c.c_start_date then '강의예정'

when sysdate between c.c_start_date and c.c_end_date then '강의중'

when sysdate > c.c_end_date then '강의종료'

end as "강의상태"

from tblCourse c inner join tblcourse_name n

on c.cname_seq = n.cname_seq where c.teacher_seq =

(select teacher_seq from tblteacher where t_name = '최경숙' and t_password = 2532102) order by c.c_end_date desc;

-- 특정 강의 선택 해당 강의 내 교육생 출결현황

-- Case 1.

select

su.sugang_seq as "수강생 번호",

m.m_name as "수강생 이름",

ad.attend_date as "출석일",

ad.attendance_type as "상태"

from tblSugang su

inner join tblAttendance ad

```
on su.sugang_seq = ad.sugang_seq
inner join tblMember m
on su.member_seq = m.member_seq
where su.course_seq = 25
order by ad.attend_date;
```

-- Case 2.

select distinct

```
s.sugang_seq as "수강생번호",
m.m_name "수강생 이름",
(select count(*) from tblattendance where attendance_type = '정상' and sugang_seq = s.sugang_seq) as 정상,
(select count(*) from tblattendance where attendance_type = '지각' and sugang_seq = s.sugang_seq) as 지각,
(select count(*) from tblattendance where attendance_type = '조퇴' and sugang_seq = s.sugang_seq) as 조퇴,
(select count(*) from tblattendance where attendance_type = '외출' and sugang_seq = s.sugang_seq) as 외출,
(select count(*) from tblattendance where attendance_type = '병가' and sugang_seq = s.sugang_seq) as 병가,
(select count(*) from tblattendance where attendance_type = '기타' and sugang_seq = s.sugang_seq) as 기타,
(select count(*) from tblattendance where attendance_type = '결석' and sugang_seq = s.sugang_seq) as 결석
```

from tblcourse c

```
inner join tblcoursename cn
on c.cname_seq = cn.cname_seq
inner join tblsugang s
on c.course_seq = s.course_seq
inner join tblmember m
on s.member_seq = m.member_seq
inner join tblattendance a
on s.sugang_seq = a.sugang_seq
where c.course_seq = 25;
```

-- 년도별 출력

```
select
    su.sugang_seq as "수강생 번호",
    m.m_name as "수강생 이름",
    to_char(ad.attend_date, 'YYYY-MM-DD') as "출석일",
    ad.attendance_type as "상태"
from tblSugang su
    inner join tblAttendance ad
        on su.sugang_seq = ad.sugang_seq
    inner join tblMember m
        on su.member_seq = m.member_seq
    where su.course_seq = 25 and ad.attend_date like '22/04/01'
    order by ad.attend_date;
```

-- 월별 출력

```
select
    su.sugang_seq as "수강생 번호",
    m.m_name as "수강생 이름",
    ad.attend_date as "출석일",
    ad.attendance_type as "상태"
from tblSugang su
    inner join tblAttendance ad
        on su.sugang_seq = ad.sugang_seq
    inner join tblMember m
        on su.member_seq = m.member_seq
    where su.course_seq = 25 and ad.attend_date like '22/03%'
```

```
order by ad.attend_date;
```

```
-- 일별 출력
```

```
select
```

```
    su.sugang_seq as "수강생 번호",
```

```
    m.m_name as "수강생 이름",
```

```
    ad.attend_date as "출석일",
```

```
    ad.attendance_type as "상태"
```

```
from tblSugang su
```

```
    inner join tblAttendance ad
```

```
        on su.sugang_seq = ad.sugang_seq
```

```
        inner join tblMember m
```

```
            on su.member_seq = m.member_seq
```

```
            where su.course_seq = 25 and ad.attend_date like '22/03/01%'
```

```
            order by ad.attend_date;
```

```
-- 특정 교육생 출결현황
```

```
select attend_date as "출석일", attendance_type as "상태" from tblAttendance where sugang_seq = 184;
```

요구사항	C-06	작성일	2022-05-17
요구사항명	교사-추천 도서 관리	작성자	백재민
DML			
<pre>-- 작성된 추천 도서 조회 select tr.book_seq as "추천도서번호",</pre>			

```

tr.rec_name as "추천도서명",
p.name as "출판사",
tr.book_date as "등록일",
t.t_name as "등록 교사",
sn.subname as "연관 과목명"
from tblTeachRec tr
  inner join tblTeacher t
    on tr.teacher_seq = t.teacher_seq
  inner join tblSubjectName sn
    on tr.subname_seq = sn.subname_seq
  inner join tblPublisher p
    on tr.publisher_seq = p.publisher_seq
  order by tr.book_seq;

-- 추천 도서 등록

-- 출판사가 존재하는지 확인
select name from tblPublisher where name = '제이펍';

-- 존재하지 않는다면 출판사 추가
insert into tblPublisher values ((select max(publisher_seq) + 1 from tblPublisher), '출판사명');

-- 출판사 유무 처리후 삽입
insert into tblTeachRec
  values ((select max(book_seq) + 1 from tblTeachRec),
    (select teacher_seq from tblteacher where t_name = '최경하' and t_password = 2532102), -- 교사번호 입력
    '책제목', sysdate,
```

```
(select subname_seq from tblsubjectname where subname = 'Java'), -- 과목번호 가져오기
(select publisher_seq from tblpublisher where name = '제이펍')); -- 출판사 번호 가져오기
```

```
-- 추천도서 수정하기
```

```
update tblTeachRec set rec_name = '변경할 값' where book_seq = 1; -- 도서번호 1의 도서명 수정하기
```

```
update tblTeachRec set subname_seq = (select subname_seq from tblsubjectname where subname = '변경할 과목명') where book_seq = 1; --
연관과목 변경하기
```

```
update tblTeachRec set publisher_seq = (select publisher_seq from tblpublisher where name = '제이펍') where book_seq = 1; -- 출판사 변경하기
```

```
-- 추천도서 삭제하기
```

```
delete tblTeachRec where book_seq = 1;
```

요구사항	C-07	작성일	2022-05-17
요구사항명	교사-과목상담 답변	작성자	김은지

DML

```
-- 1. 강의중인 개설과정 중 질문이 존재하는 교육생 이름 조회
```

```
select
```

```
distinct
```

```
m.m_name,      -- "교육생이름"
```

```
cn.course_neme, -- "개설과정명"
```

```
c.c_start_date, -- "개설과정시작일"
```

```
c.c_end_date    -- "개설과정종료일"
```



```

from tblConsult q
  inner join tblAnswer a
    on q.consult_seq = a.consult_seq
    inner join tblCsub cs
      on q.csub_seq = cs.csub_seq
      inner join tblsubjectname sn
        on cs.subname_seq = sn.subname_seq
        inner join tblCourse c
          on cs.course_seq = c.course_seq
          inner join tblcoursename cn
            on c.cname_seq = cn.cname_seq
            inner join tblTeacher t
              on a.teacher_seq = t.teacher_seq
              inner join tblSugang s
                on q.sugang_seq = s.sugang_seq
                inner join tblMember m
                  on s.member_seq = m.member_seq

  where sysdate between c.c_start_date and c.c_end_date and t.teacher_seq = '교사번호' order by m.m_name;
-- 날짜 1개만 조회 + 그 교사만 조회를 하면 된다.(시간 신경쓰기 : 부등호 > between 조금 더 느낌)

-- 2. 교육생 이름으로 질문내역 조회
select
  distinct

  m.m_name,          -- "교육생이름"

```

```
sn.subname,      -- "개설과목명"
q.consult_txt,    -- "상담내용"
a.answer_txt      -- "상담답변"
```

```
from tblConsult q
  inner join tblAnswer a
    on q.consult_seq = a.consult_seq
    inner join tblCsub cs
      on q.csub_seq = cs.csub_seq
      inner join tblsubjectname sn
        on cs.subname_seq = sn.subname_seq
        inner join tblCourse c
          on cs.course_seq = c.course_seq
          inner join tblcoursename cn
            on c.cname_seq = cn.cname_seq
            inner join tblTeacher t
              on a.teacher_seq = t.teacher_seq
              inner join tblSugang s
                on q.sugang_seq = s.sugang_seq
                inner join tblMember m
                  on s.member_seq = m.member_seq
```

```
where sysdate between c.c_start_date and c.c_end_date and a.teacher_seq = '교사번호' and m.m_name = '교육생 이름';
```

```
-- 3. 답변입력
```

```
insert into tblAnswer (answer_seq, answer_txt, teacher_seq, consult_seq) values((select max(answer_seq) + 1 from tblAnswer), '상담내용', '교사번호', '질문번호');
```

-- 순서 바꾸기 하지 말기

-- 4. 답변 수정하기

```
update tblAnswer set answer_txt = '새로운 상담내용' where consult_seq = '질문번호';
```

-- 5. 답변 삭제하기

```
delete tblAnswer where answer_seq = '답변번호';
```