# 데이터 쿼리문(ANSI-SQL)

| 요구사항 | B-01 | 작성일 | 2022-05-17 |
|---|---|---|---|
| 요구사항명 | 관리자 계정 로그인 | 작성자 | 고수경 |
| **DML** | | | |

slect * from tblAdmin;

slect count(*) ascntfrom tblAdmin

| 요구사항 | B-02 | 작성일 | 2022-05-17 |
|---|---|---|---|
| 요구사항명 | 관리자-기초 정보 관리 | 작성자 | 고수경 |
| **DML** | | | |

-- 기초 정보 등록 및 관리(교사 계정 관리 및 개설 과정, 개설 과목에 사용)

   select * from tblCourseName;


---------------- 기초 정보 입력 -----------------

--과정명 입력

   insert into tblCourseName (cname_seq, course_neme) values ((select max(cname_seq) + 1 from tblCourseName), '추가 과정명');

--과목명 입력

   insert into tblSubjectName (subname_seq, subname, subname_subject) values ((select max(subname_seq) + 1 from tblSubjectName), '추가 과목명', '선택');

--강의실명 입력

```
    insert into tblRoom (room_seq, room_name, room_personel) values ((select max(room_seq) + 1 from tblRoom), '추가 강의실', 수용인원);
--교재명 입력
    insert into tblTextBook (txtbook_seq, name, author, publisher_seq) values ((select max(txtbook_seq) + 1 from tblTextBook), '추가 교재명', '지은이명',
출판사번호);


----------------- 기초 정보 수정 -----------------


--과정명 수정
    update tblCourseName set course_neme = '수정할 과정명' where cname_seq = 과정번호;
--과목명 수정
    update tblSubjectName set subname = '수정할 과목명', subname_subject = '공통' where subname_seq = 과목번호;
--강의실명 수정
    update tblRoom set room_name = '수정할 강의실명', room_personel = 26 where room_seq = 강의실번호;
--교재명 수정
```

| 요구사항 | B-03 | 작성일 | 2022-05-17 |
|---|---|---|---|
| 요구사항명 | 관리자-교사 계정 관리 | 작성자 | 고수경 |
| **DML** | | | |

```
----------------- 교사 정보 입력 -----------------

-- 교사 이름, 주민번호 뒷자리, 전화번호 입력

    insert into tblteacher (teacher_seq, t_name, t_password, t_tel) values ((select max(teacher_seq) + 1 from tblteacher), '교사명', 주민등록번호뒷자리,
전화번호);
```

```sql
-- 교사의 강의 가능 과목 입력

    insert into tblTeacherSub (tsubject_seq, teacher_seq, subname_seq) values ((select max(tsubject_seq) + 1 from tblTeacherSub)

    ,(select teacher_seq from tblteacher where t_name = '교사명')

    ,(select subname_seq from tblSubjectName where subname = '과목명'));

---------------- 교사 정보 전체 출력 ----------------

-- 교사의 개인 정보 출력

    select

        t.t_name as "교사명",

        t.t_password as "주민등록번호 뒷자리",

        t.t_tel as "전화번호"

    from tblteacher t

    order by t.t_name asc;



-- 교사의 강의 가능 과목 출력

    select

        t.t_name as "교사명",
```

```sql
        n.subname as "강의 가능 과목"

    from tblteacher t

        inner join tblTeacherSub s

            on t.teacher_seq = s.teacher_seq

                inner join tblSubjectName n

                    on s.subname_seq = n.subname_seq

                        order by t.t_name asc;



----------------- 특정 교사 정보 출력 -----------------

-- 특정 교사의 배정된 개설 과목 출력

select

    sj.subname as "배정된 개설 과목명",

    cs.csstart_date "개설 과목 시작날짜",

    cs.csend_date "개설 과목 종료날짜"

from tblCSub cs

    inner join tblSubjectname sj
```

```sql
        on cs.subname_seq = sj.subname_seq

            inner join tblCourse c

                on cs.course_seq = c.course_seq

                    inner join tblteacher t

                        on c.teacher_seq = t.teacher_seq

                            where t.t_name = 교사이름;
-- 특정 교사의 과정 정보 , 강의실명, 강의 진행 상태 출력

    select

        cn.course_neme as "과정명",

        c.c_start_date as "개설과정시작날짜",

        c.c_end_date as "개설과정끝날짜",

        r.room_name as "강의실명",

        case

            when c_start_date > sysdate then '강의 예정'

            when c_start_date < sysdate and c_end_date > sysdate then '강의중'

            when c_end_date < sysdate then '강의종료'
```

```sql
        end as "강의 진행 상태"

    from tblteacher t

        inner join tblCourse c

            on t.teacher_seq = c.teacher_seq

                inner join tblCourseName cn

                    on cn.cname_seq = c.cname_seq

                        inner join tblRoom r

                            on c.room_seq = r.room_seq

                                where t.t_name = 교사이름;


-- 특정 교사의 수업하는 교재명 출력


    select
        tb.name
    from tblteacher t

        inner join tblTeacherSub ts
```

```
            on t.teacher_seq = ts.teacher_seq

          inner join tblSubjectName sn

             on sn.subname_seq = ts.subname_seq

                inner join tblSubjectTxt st            -- 과목에 쓰이는 교재

                   on st.subname_seq = sn.subname_seq

                      inner join tblTextBook tb    --교재

                         on tb.txtbook_seq = st.txtbook_seq

                            where t.t_name = 교사이름;
```

---------------- 교사 정보 수정 -----------------

-- 교사 이름 수정

    update tblteacher set t_name = '교사명' where teacher_seq = 교사번호;

-- 교사 주민등록번호뒷자리 수정

    update tblteacher set t_password = 주민등록번호뒷자리 where teacher_seq = 교사번호;

-- 교사 전화번호 수정

update tblteacher set t_tel = '전화번호' where teacher_seq = 교사번호;

-- 교사의 강의 가능 과목 수정   >  교사가 강의 가능한 과목을 다른 과목으로 수정하고 싶을 때, 과목명 테이블에서 수정하고 싶은 과목명의 과목명번호로 교사 강의 목록 테이블의 과목명번호를 수정해줌

    update tblTeacherSub set subname_seq = (select subname_seq from tblSubjectName where subname = '과목명') where tsubject_seq = 교사강의목록번호;


---------------- 교사 정보 삭제 ----------------

-- 특정 교사의 특정 과목 삭제

    delete from tblTeacherSub where teacher_seq = 교사번호, subname_seq = 과목명번호;

-- 특정 교사 삭제

    delete from tblTeacherSub where teacher_seq = 교사번호;


| 요구사항 | B-04 | 작성일 | 2022-05-17 |
|---|---|---|---|
| 요구사항명 | 관리자-개설 과정 관리 | 작성자 | 고수경 |

**DML**

---------------- 개설정보 등록(입력) ----------------
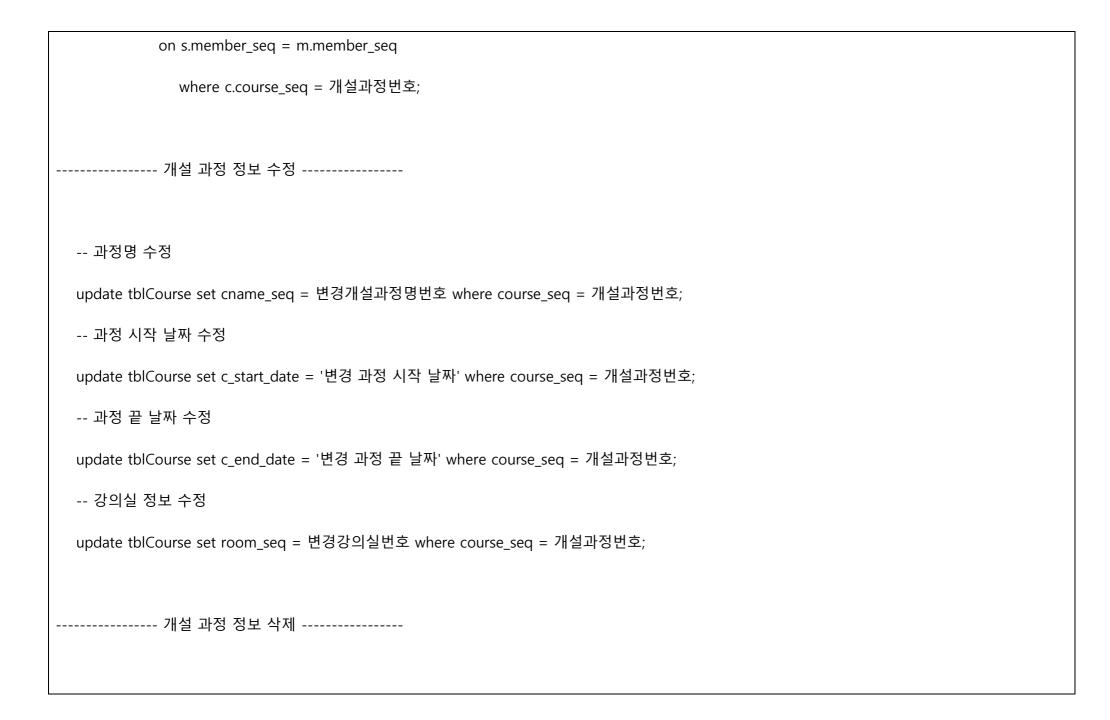
insert into tblCourse (course_seq, c_start_date, c_end_date, cname_seq, teacher_seq, room_seq) values ((select max(course_seq) + 1 from tblCourse),'개설과정시작날짜', '개설과정끝날짜', 과정명번호, 교사번호, 강의실번호 );
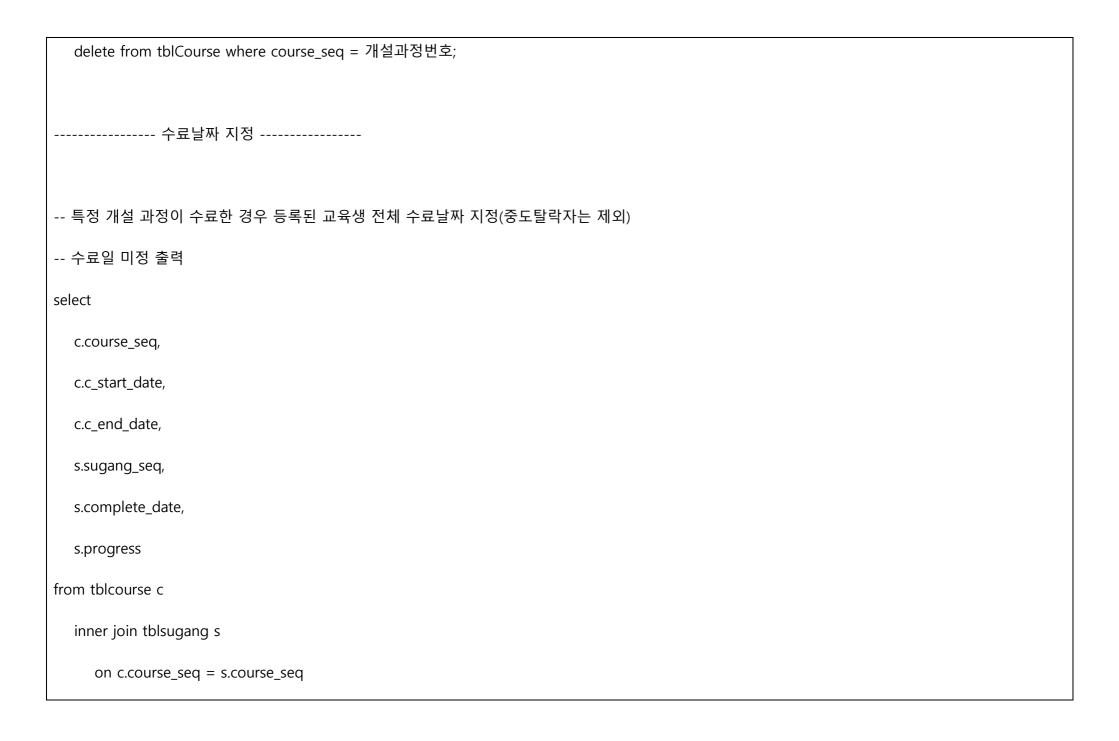
-- 선택한 특정 개설 과정의 교사 출력

```sql
select

    t.t_name as "교사명"

from tblCourse c

    inner join tblteacher t

        on t.teacher_seq = c.teacher_seq

            where c.course_seq = 개설과정번호;


-- 선택한 특정 개설 과정의 과목 출력

select

    sn.subname as "과목명",

    cs.csstart_date as "과목 시작일",

    cs.csend_date as "과목 종료일"

from tblCourse c

    inner join tblCSub cs

        on c.course_seq = cs.course_seq

            inner join tblSubjectName sn
```

```
                on sn.subname_seq = cs.subname_seq

                    where c.course_seq = 개설과정번호;



-- 선택한 특정 개설 과정의 과목교재 출력

    select distinct

    sn.subname as "과목명",

    tb.name as "교재명"

    from tblCSub cs                        --개설 과정 내 과목명(동적)

        inner join tblSubjectName sn              --과목명

            on sn.subname_seq = cs.subname_seq

                inner join tblSubjectTxt st          -- 과목에 쓰이는 교재

                    on st.subname_seq = sn.subname_seq

                        inner join tblTextBook tb    --교재

                            on tb.txtbook_seq = st.txtbook_seq

                                where cs.course_seq = 개설과정번호

                                    order by sn.subname asc;
```

```sql
-- 선택한 특정 개설 과정의 교육생 출력

  select

      m.m_name as "교육생명",

      m.m_password as "주민번호 뒷자리",

      m.m_tel as "교육생전화번호",

      m.m_registdate as "교육생등록일",

      m.m_major as "전공여부",

      case

          when s.progress = '수강종료' then '수료'

          when s.progress = '중도탈락' then '중도탈락'

      end as "수료 및 중도 탈락"

  from tblCourse c

      inner join tblSugang s

          on s.course_seq = c.course_seq

              inner join tblMember m
```

```sql
        on s.member_seq = m.member_seq

            where c.course_seq = 개설과정번호;
```

---------------- 개설 과정 정보 수정 ----------------

```sql
    -- 과정명 수정

    update tblCourse set cname_seq = 변경개설과정명번호 where course_seq = 개설과정번호;

    -- 과정 시작 날짜 수정

    update tblCourse set c_start_date = '변경 과정 시작 날짜' where course_seq = 개설과정번호;

    -- 과정 끝 날짜 수정

    update tblCourse set c_end_date = '변경 과정 끝 날짜' where course_seq = 개설과정번호;

    -- 강의실 정보 수정

    update tblCourse set room_seq = 변경강의실번호 where course_seq = 개설과정번호;
```

---------------- 개설 과정 정보 삭제 ----------------

```
    delete from tblCourse where course_seq = 개설과정번호;



----------------- 수료날짜 지정 -----------------



-- 특정 개설 과정이 수료한 경우 등록된 교육생 전체 수료날짜 지정(중도탈락자는 제외)

-- 수료일 미정 출력

select

    c.course_seq,

    c.c_start_date,

    c.c_end_date,

    s.sugang_seq,

    s.complete_date,

    s.progress

from tblcourse c

    inner join tblsugang s

        on c.course_seq = s.course_seq
```

where c.c_end_date < sysdate and s.complete_date is null;


-- 수료일 업데이트

update tblsugang sg set complete_date = (select c.c_end_date from tblcourse c inner join tblsugang s on c.course_seq = s.course_seq

where c.c_end_date < sysdate and s.sugang_seq = sg.sugang_seq and s.progress <> '중도탈락');


| 요구사항 | B-05 | 작성일 | 2022-05-17 |
|---|---|---|---|
| 요구사항명 | 관리자-개설 과목 관리 | 작성자 | 고수경 |

**DML**

-- B-05 개설 과목 관리.sql


---------------- 특정 개설 과정 개설 과목 정보 신규 등록 ----------------
-- 과목명, 과목기간(시작 년월일, 끝 년월일, 교재명 입력


-- 과목명, 과목기간(시작 년월일, 끝 년월일) 입력
   insert into tblCSub (csub_seq, subname_seq, course_seq, csstart_date, csend_date)
        values ((select max(csub_seq) + 1 from tblCSub), 과목명번호, 개설과정번호, '과목시작일', '과목종료일');


-- 과목에 대한 교재명 입력
   insert into tblSubjectTxt (subtxt_seq, subname_seq, txtbook_seq) values ((select max(subtxt_seq) + 1 from tblSubjectTxt), 과목명번호, 교재번호);


---------------- 개설 과목 정보 전체 출력 ----------------

```sql
select distinct
     cn.course_neme as "과정명",
     c.c_start_date as "과정 시작 날짜",
     c.c_end_date as "과정 종료 날짜",
     sn.subname as "과목명",
     cs.csstart_date as "과목 시작 날짜",
     cs.csend_date as "과목 종료 날짜",
     tb.name as "교재명",
     t.t_name as "교사명"


   from tblCSub cs
     inner join tblCourse c
        on cs.course_seq = c.course_seq
           inner join tblCourseName cn
              on c.cname_seq = cn.cname_seq
                 inner join tblSubjectName sn
                    on sn.subname_seq = cs.subname_seq
                       inner join tblSubjectTxt st
                             on st.subname_seq = sn.subname_seq
                               inner join tblTextBook tb
                                  on tb.txtbook_seq = st.txtbook_seq
                                     inner join tblteacher t
                                        on t.teacher_seq = c.teacher_seq;

-- 현재 개설된 과정 정보
/
   select distinct
```

```sql
        cn.course_neme as "과정명",
        c.c_start_date as "과정 시작 날짜",
        c.c_end_date as "과정 종료 날짜",
        t.t_name as "교사명"
from tblCSub cs
        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 t.teacher_seq = c.teacher_seq
                                order by c.c_start_date desc;


-- 개설된 과정의 과목 정보
/
    select distinct
        c.course_seq "과정번호",
        sn.subname as "과목명",
        cs.csstart_date as "과목 시작 날짜",
        cs.csend_date as "과목 종료 날짜"
    from tblCourse c
    inner join tblCSub cs
        on c.course_seq = cs.course_seq
            inner join tblSubjectName sn
                on sn.subname_seq = cs.subname_seq
                    inner join tblSubjectTxt st
                        on st.subname_seq = sn.subname_seq
```

```sql
                        inner join tblTextBook tb
                            on tb.txtbook_seq = st.txtbook_seq
                                inner join tblCourse c
                                    on cs.course_seq = c.course_seq
                                        order by c.course_seq asc;


-- 개설 과목 정보의 교재명 출력


select distinct
        sn.subname as "과목명",
        tb.name as "교재명"
        from tblCSub cs                              --개설 과정 내 과목명(동적)
            inner join tblSubjectName sn              --과목명
                on sn.subname_seq = cs.subname_seq
                    inner join tblSubjectTxt st          -- 과목에 쓰이는 교재
                        on st.subname_seq = sn.subname_seq
                            inner join tblTextBook tb    --교재
                                on tb.txtbook_seq = st.txtbook_seq
                                    order by sn.subname asc;

---------------- 선택한 개설 과정에 대한 개설 과목 정보 출력 ----------------

-- 선택한 개설 과정의 과정명, 과정 시작 날짜, 과정 종료 날짜, 교사명, 강의실명 출력

    select distinct
        cn.course_neme as "과정명",
```

```sql
        c.c_start_date as "과정 시작 날짜",
        c.c_end_date as "과정 종료 날짜",
        t.t_name as "교사명",
        r.room_name as "강의실명"
    from tblCSub cs
        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 t.teacher_seq = c.teacher_seq
                                inner join tblRoom r
                                    on c.room_seq = r.room_seq
                                        where c.course_seq = 1
                                            order by c.c_start_date desc;


-- 선택한 특정 개설 과정의 과목 출력

    select
        sn.subname as "과목명",
        cs.csstart_date as "과목 시작일",
        cs.csend_date as "과목 종료일"
    from tblCourse c
        inner join tblCSub cs
            on c.course_seq = cs.course_seq
                inner join tblSubjectName sn
```

```
                    on sn.subname_seq = cs.subname_seq
                        where c.course_seq = 개설과정번호;


-- 선택한 특정 개설 과정의 과목교재 출력


    select distinct
    sn.subname as "과목명",
    tb.name as "교재명"
    from tblCSub cs                          --개설 과정 내 과목명(동적)
        inner join tblSubjectName sn             --과목명
            on sn.subname_seq = cs.subname_seq
                inner join tblSubjectTxt st          -- 과목에 쓰이는 교재
                    on st.subname_seq = sn.subname_seq
                        inner join tblTextBook tb   --교재
                            on tb.txtbook_seq = st.txtbook_seq
                                where cs.course_seq = 개설과정번호
                                    order by sn.subname asc;



----------------- 개설 과목 정보 수정 -----------------


--개설과목 일정 변경
    update tblCSub set csstart_date = '변경시작날짜', csend_date = '변경종료날짜' where csub_seq = 개설과정내과목번호;


--개설과목 과목 변경
    update tblCSub set sbuname_seq = 과목명번호 where csub_seq = 개설과정내과목번호;
```

---------------- 개설 과목 정보 삭제 ----------------

    delete from tblCSub where csub_seq = 개설과정내과목번호;

| 요구사항 | B-06 | 작성일 | 2022-05-17 |
|---|---|---|---|
| 요구사항명 | 관리자-교육생 관리 | 작성자 | 백재민 |
| **DML** | | | |

```
-- B-06. 관리자 교육생 관리

-- 회원 입력
insert into tblMember (member_seq, m_name, m_password, m_tel, m_registdate, m_major)
    values ((select max(member_seq) + 1 from tblMember), '홍당무', '1568752', '010-8295-0601', sysdate, '비전공');

--회원 정보 수정

--회원이름 수정
update tblMember set m_name = '김영석' where member_seq = 1;

--회원 주민등록번호 뒷자리 수정
update tblMember set m_password = pm_password where member_seq = 회원번호;

--회원 전화번호 수정
update tblMember set m_tel = pm_tel where member_seq = 회원번호;
```

```sql
--회원 등록일 수정
update tblMember set m_registdate = pm_registdate where member_seq = 회원번호;

--회원 전공여부 수정
update tblMember set m_major = pm_major where member_seq = 회원번호;

--회원 정보 삭제
delete from tblMember where member_seq = 회원번호;

-- 교육생 등록
insert into tblSugang values ((select max(sugang_seq)+1 from tblSugang), 수료날짜, 진행상태, 회원번호, 개설과정번호);

-- 교육생 수료날짜 수정
update tblSugang set complete_date = 변경할날짜 where sugang_seq = 수강생번호;

-- 교육생 진행상태 수정
update tblSugang set progress = 변경할진행상태 where sugang_seq = 수강생번호;

-- 교육생 회원번호 수정
update tblSugang set member_seq = 변경할회원번호 where sugang_seq = 수강생번호;

-- 교육생 개설과정번호 수정
update tblSugang set course_seq = 변경할개설과정번호 where sugang_seq = 수강생번호;

-- 교육생 삭제
delete from tblSugang where sugang_seq = 수강생번호;
```

```sql
--회원 정보 출력
select
    distinct
    m.m_name as "교육생이름",
    m.m_password as "교육생주민",
    m.m_tel "교육생전화번호",
    m.m_registdate "교육생등록일",
    (select count(*) from tblSugang where member_seq = s.member_seq and (s.progress <> '수강예정' or s.progress <> '중도탈락')) as "수강횟수",
    m.m_major as "교육생전공"
from tblMember m
    inner join tblSugang s
        on m.member_seq = s.member_seq;


-- select
--     distinct
--     m.m_name,
--     (select count(*) from tblsugang where member_seq = s.member_seq and (s.progress <> '수강예정' and s.progress <> '중도탈락')) as 수강횟수
--from tblmember m
--     inner join tblsugang s
--         on m.member_seq = s.member_seq;
-------------------------------------------------------------------------------------------------------------------
-- 특정 교육생 선택??

-- 수강 예정
select
    cn.course_neme as "과정명",
    c.c_start_date as "과정 시작",
```

```sql
    c.c_end_date as "과정 종료",
    r.room_name as "강의실",
    s.progress as "수료 및 중도탈락 여부"
from tblCourse c
    inner join tblCourseName cn
        on c.cname_seq = cn.cname_seq
            inner join tblRoom r
                on c.room_seq = r.room_seq
                    inner join tblSugang s
                        on c.course_seq = s.course_seq
                            inner join tblMember m
                                on s.member_seq = m.member_seq
    where c.course_seq = (select
                                s.course_seq
                            from tblMember m
                                inner join tblSugang s
                                    on m.member_seq = s.member_seq
                                        where m.member_seq = 학생번호 and s.progress = '수강예정')
        and s.member_seq = 학생번호;


select * from tblsugang;
select * from tblCourse;


--select * from tblmember m inner join tblsugang s on m.member_seq = s.member_seq;
--select * from tblSugang;
--select * from tblstustop;
```

```sql
-- 수강 중 ??
--이게 수강예정/수강중/수강종료/중도탈락인지에 따라 다른 쿼리를 실행(select progress from tblSugang where member_seq = 학생번호);

select
    cn.course_neme as "과정명",
    c.c_start_date as "과정 시작",
    c.c_end_date as "과정 종료",
    r.room_name as "강의실",
    case
        when s.progress = '중도탈락' then 'Y'
        when s.progress <> '중도탈락' then 'N'
    end as "중도탈락 여부",
    case
        when stop_date is not null then 'Y'
        when stop_date is null then 'N'
    end as "중도탈락날짜"
from tblCourse c
    inner join tblCourseName cn
        on c.cname_seq = cn.cname_seq
            inner join tblRoom r
                on c.room_seq = r.room_seq
                    inner join tblSugang s
                        on c.course_seq = s.course_seq
                            inner join tblMember m
                                on s.member_seq = m.member_seq
                                    left outer join tblStuStop st
                                        on s.sugang_seq = st.sugang_seq
```

```sql
    where c.course_seq = (select
                            s.course_seq
                        from tblMember m
                            inner join tblSugang s
                                on m.member_seq = s.member_seq
                                    where m.member_seq = 280 and (s.progress = '수강중' or s.progress = '중도탈락'))
        and s.member_seq = 280;


-- 수강 했던 ??
-- 중도탈락이 수강테이블에 있어서 수강중 수강종료가 구분이 안된다.
select
    cn.course_neme as "과정명",
    c.c_start_date as "과정 시작",
    c.c_end_date as "과정 종료",
    r.room_name as "강의실",
    case
        when s.progress = '중도탈락' then 'Y'
        when s.progress <> '중도탈락' then 'N'
    end as "중도탈락 여부",
    stop_date as "중도탈락 날짜"
from tblCourse c
    inner join tblCourseName cn
        on c.cname_seq = cn.cname_seq
            inner join tblRoom r
                on c.room_seq = r.room_seq
                    inner join tblSugang s
```

```sql
                    on c.course_seq = s.course_seq
                        inner join tblMember m
                            on s.member_seq = m.member_seq
                                left outer join tblStuStop st
                                    on s.sugang_seq = st.sugang_seq
        where c.course_seq = (select
                                s.course_seq
                            from tblMember m
                                inner join tblSugang s
                                    on m.member_seq = s.member_seq
                                        where m.member_seq = 학생번호 and (s.progress = '수강종료' or s.progress = '중도탈락'))
            and s.member_seq = 학생번호;


-- 수료 (필요없어짐)
-- 출석일 고려
-- 조기취업 x
-- update tblSugang set complete_date = pcomplete_date, progress = pcomplete_date where course_seq = 과정번호;


select * from tblAttendance;
select * from tblSugang;
select * from tblCourse;


-- 중도탈락 (결석 5 회 > 결석 = 3 점 지각 = 1 점  >  총 15 점이상이면 중도탈락)
-- 수강테이블에 중도탈락 처리


-- 1. 해당 학생의 (지각 + 결석) 점수가 15 점인경우
select
```

```sql
    sum(case
        when attendance_type = '결석' then 3
        when attendance_type = '지각' then 1
    end)
from tblAttendance a
    inner join tblSugang s
        on a.sugang_seq = s.sugang_seq
            inner join tblMember m
                on s.member_seq = m.member_seq
    where m.member_seq = 학생번호; --member_seq 를 변수로 받기 (ex)200)


-- 2.
update tblSugang set progress = '중도탈락' where sugang_seq = 학생번호; --sugang_seq 를 변수로 받기


-- 3. 중도탈락테이블에 추가
    --중도탈락인지 검증도
    --수강테이블에서 중도탈락일 경우 1 을 반환
select
    case
        when progress = '중도탈락' then 1
    end "중도탈락이면 1"
from tblSugang;


--4.
insert into tblStustop(stustop_seq, stop_date, sugang_seq) values ((select (max(stustop_seq) + 1) from tblStustop), 중도탈락날짜, (select sugang_seq
from tblSugang where member_seq = 학생번호));
```

```
--select * from tblmember;

--select * from tblSugang;

--select * from tblstustop;

--select * from tblAttendance;

--delete tblattendance where sugang_seq = 200;


commit;

rollback;
```

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|---|---|---|---|
| 요구사항명 | 관리자-시험 관리 및 성적 조회 | 작성자 | 김영석 |
| DML | | | |

```
-- B-07. 관리자 시험 관리 및 성적 관리

--특정 개설 과정 선택(과정번호)

--특정 개설 과정에 등록된 개설 과목정보(기간, 과목명)  & ( 성적등록여부/ 시험문제파일등록여부) 확인

select

    distinct

    sn.subname as "과목명",

    cs.csstart_date as "과목 시작일",
```
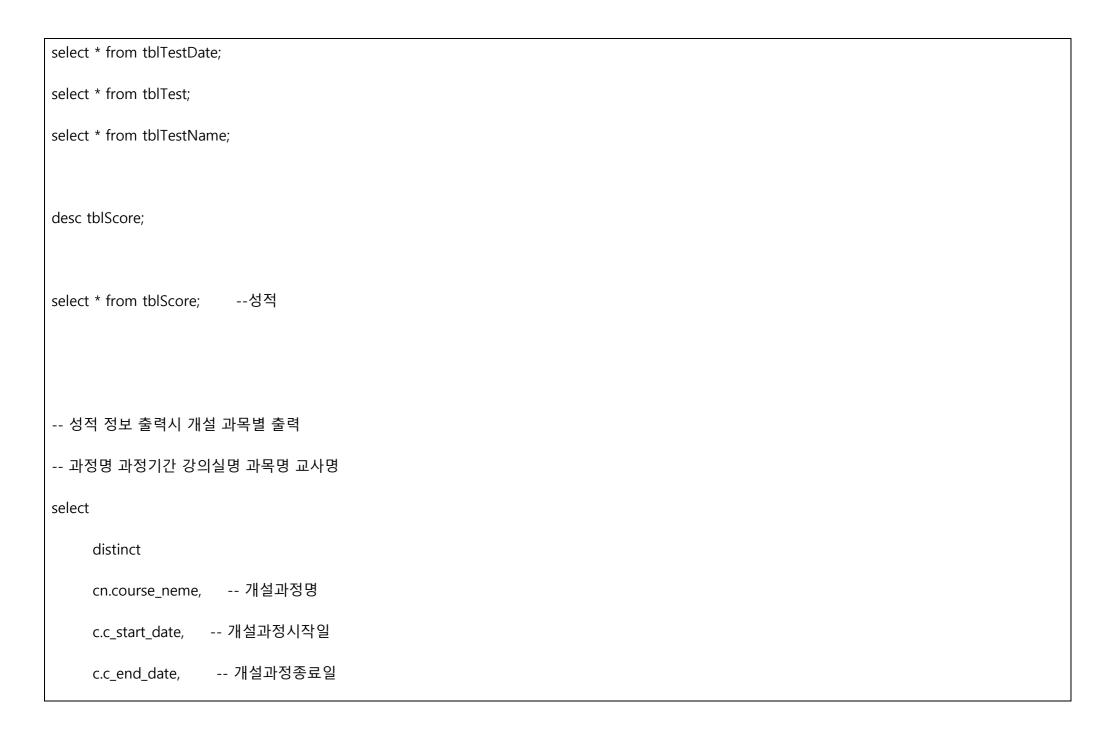
```sql
    cs.csend_date as "과목 종료일",
case

        when tn.test_type in ('필기', '실기') then 'Y'

        else 'N'

    end as "시험 등록 여부",

    case

        when attend_score is null or pilgi_score is null or silgi_score is null then 'N'

        else 'Y'

    end as "성적 등록 여부"

from tblCourse c

    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 tblScore sc

                        on cs.csub_seq = sc.csub_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 --and tn.subname_seq = cs.subname_seq

                                                where c.course_seq = 1; --1 번 혹은 25 번


select * from tblCourse;      -- 개설과정

select * from tblCourseName;  -- 과정명

select * from tblCSub;        --과정 내 과목

select * from tblsubjectname; --과목명

select * from tblScore;       --성적

select * from tblSugang;
```

```sql
select * from tblTestDate;

select * from tblTest;

select * from tblTestName;


desc tblScore;


select * from tblScore;        --성적



-- 성적 정보 출력시 개설 과목별 출력

-- 과정명 과정기간 강의실명 과목명 교사명

select

        distinct

        cn.course_neme,      -- 개설과정명

        c.c_start_date,      -- 개설과정시작일

        c.c_end_date,        -- 개설과정종료일
```

```sql
    sn.subname,        -- 과목명

    r.room_name,       -- 강의실명

    t.t_name           -- 교사명

from tblMember m

    inner join tblSugang s

        on m.member_seq = s.member_seq

            inner join tblCourse c

                on s.course_seq = c.course_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

                                            inner join tblRoom r

                                                on c.room_seq = r.room_seq
```

```sql
                          inner join tblTeacher t

                              on c.teacher_seq = t.teacher_seq

        where sn.subname_seq = 1;

--교재명

select

    sn.subname,

    tb.name

from tblSubjectName sn

    inner join tblCSub cs

        on sn.subname_seq = cs.subname_seq

            inner join tblCourse c

                on c.course_seq = cs.course_seq

                    inner join tblSubjectTxt st

                        on sn.subname_seq = st.subname_seq

                            inner join tblTextBook tb

                                on tb.txtbook_seq = st.txtbook_seq
```

```sql
            where c.course_seq = 1;



--그 과정의 과목을 수강한 모든 교육생들의 성적 정보

select

      sn.subname,

      m.m_name,

      m.m_password,

      sc.attend_score,

      sc.pilgi_score,

      sc.silgi_score

   from tblMember m

      inner join tblSugang s

        on m.member_seq = s.member_seq

          inner join tblCourse c

            on s.course_seq = c.course_seq

              inner join tblCourseName cn
```

```sql
                    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

                inner join tblRoom r

                    on c.room_seq = r.room_seq

                inner join tblTeacher t

                    on c.teacher_seq = t.teacher_seq

                inner join tblScore sc

                    on sc.csub_seq = cs.csub_seq


    where s.sugang_seq = 1 and s.sugang_seq = sc.sugang_seq;
-- 회원 개인별 출력

-- 회원정보 / 와 해당 회원이 수강한 모든 과목에 대한 정보(과목명, 과목기간, 교사명, 출결, 필기, 실기) 출력
```

```sql
select

    distinct

    m.m_name as "회원이름",

    m.m_password as "주민번호 뒷자리",

    cn.course_neme as "개설과정명",

    c.c_start_date as "과정시작",

    c.c_end_date "과정종료",

    r.room_name as "강의실",

    sn.subname as "개설과목명",

    cs.csstart_date as "개설 과목 시작",

    cs.csend_date as "개설 과목 종료",

    sc.attend_score as "출석 점수",

    sc.pilgi_score as "필기 점수",

    sc.silgi_score as "실기 점수"
from tblMember m

    inner join tblSugang s
```

```
on m.member_seq = s.member_seq

    inner join tblCourse c

        on s.course_seq = c.course_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

                                    inner join tblRoom r

                                        on c.room_seq = r.room_seq

                                            inner join tblTeacher t

                                                on c.teacher_seq = t.teacher_seq

                                                    inner join tblSubjectTxt st

                                                        on sn.subname_seq = st.subname_seq

                                                            inner join tblScore sc
```

where s.sugang_seq = 1;

--=========================================================

-- 회원 개인별 성적 정보 출력

-- 1. 회원번호로 검색할 경우 수강 번호를 알아내는 쿼리 (수강번호로 검색할거면 안해도 된다.)

select s.sugang_seq from tblMember m inner join tblSugang s on m.member_seq = s.member_seq where m.member_seq = 1;

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|---|---|---|---|---|
| 요구사항명 | 관리자 시험 및 성적 조회 | | 작성자 | 김영석, 김은지 |
| **DML** | | | | |

--

============================================================================

======

--============================================================================

--특정 개설 과정 선택(과정번호)

--특정 개설 과정에 등록된 개설 과목정보(기간, 과목명)  & ( 성적등록여부/ 시험문제파일등록여부) 확인

-----------------------------------------------------------------------------

select

 distinct

```sql
    sn.subname as "과목명",

    cs.csstart_date as "과목 시작일",

    cs.csend_date as "과목 종료일",

    case

        when tn.test_type in ('필기', '실기') then 'Y'

        else 'N'

    end as "시험 등록 여부",

    case

        when attend_score is null or pilgi_score is null or silgi_score is null then 'N'

        else 'Y'

    end as "성적 등록 여부"

--

*

from tblCourse c

    inner join tblCourseName cn

        on c.cname_seq = cn.cname_seq

            inner join tblCSub cs

                on c.course_seq = cs.course_seq
```

```sql
        inner join tblSubjectName sn

            on cs.subname_seq = sn.subname_seq

            left outer join tblScore sc

                on cs.csub_seq = sc.csub_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 --and tn.subname_seq = cs.subname_seq

                        where c.course_seq = 특정개설과정 선택; --1 번 혹은 25 번
```

-----------------------------------------------------------------------------------

-- 성적 정보 출력시 개설 과목별 출력

-----------------------------------------------------------------------------------



-----------------------------------------------------------------------------------

-- 1.1 개설과정명, 개설과정시작일, 개설과정종료일, 과목명, 강의실명, 강의실명, 교사명

```sql
--------------------------------------------------------------------------------
select

        distinct

        cn.course_neme,      -- 개설과정명

        c.c_start_date,      -- 개설과정시작일

        c.c_end_date,        -- 개설과정종료일

        sn.subname,          -- 과목명

        r.room_name,         -- 강의실명

        t.t_name             -- 교사명
    from tblMember m

        inner join tblSugang s

            on m.member_seq = s.member_seq

                inner join tblCourse c

                    on s.course_seq = c.course_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

                    inner join tblRoom r

                        on c.room_seq = r.room_seq

                    inner join tblTeacher t

                        on c.teacher_seq = t.teacher_seq

        where sn.subname_seq = 개설과목번호;

----------------------------------------------------------------------------------------

-- 1-2. 교재명

----------------------------------------------------------------------------------------

select

        distinct

        sn.subname,                          -- 과목명

        tb.name                              -- 교재명

    from tblSubjectName sn

        inner join tblCSub cs

            on sn.subname_seq = cs.subname_seq

                inner join tblCourse c
```

```
                on c.course_seq = cs.course_seq

            inner join tblSubjectTxt st

                on sn.subname_seq = st.subname_seq

                inner join tblTextBook tb

                    on tb.txtbook_seq = st.txtbook_seq

            where sn.subname_seq = 교재번호;
```

----------------------------------------------------------------------------------------

-- 2. 성적 정보 출력 시 교육생 개인별

----------------------------------------------------------------------------------------

```
select

    m.m_name,

    m.m_password,

    cn.course_neme,

    c.c_start_date,

    c.c_end_date,

    r.room_name,

    sn.subname,

    cs.csstart_date,
```

```
        cs.csend_date,

        t.t_name,

        sc.attend_score,

        sc.pilgi_score,

        sc.silgi_score
from tblMember m

    inner join tblSugang s

        on m.member_seq = s.member_seq

            inner join tblCourse c

                on s.course_seq = c.course_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

                                            inner join tblRoom r

                                                on c.room_seq = r.room_seq
```

```
                          inner join tblTeacher t

                              on c.teacher_seq = t.teacher_seq

                                  inner join tblScore sc

                                      on sc.csub_seq = cs.csub_seq and s.sugang_seq = sc.sugang_seq

          where s.sugang_seq = 수강생번호;
```

| 요구사항 | B-08 | | 작성일 | 2022-05-17 |
| --- | --- | --- | --- | --- |
| 요구사항명 | 관리자-출결 관리 및 출결 조회 | | 작성자 | 박채은 |

**DML**

```
 -- B-08


-- 강의 상태 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
            order by c.course_seq desc;
```

```sql
-- 특정 개설 과정 출결 전체 조회
select
    distinct
    s.sugang_seq as "교육생 번호",
    m.m_name as "교육생 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 = '병가' and sugang_seq = s.sugang_seq) as 병가,
    (select count(*) from tblattendance where attendance_type = '결석' and sugang_seq = s.sugang_seq) as 결석,
    (select count(*) from tblattendance where attendance_type = '기타' and sugang_seq = s.sugang_seq) as 기타
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
                                        order by s.sugang_seq;


-- 특정 개설 과정 연도 조회
select
    distinct
```

```sql
    s.sugang_seq as "교육생 번호",
    m.m_name as "교육생 이름",
    (select count(*) from tblattendance where attendance_type = '정상' and sugang_seq = s.sugang_seq and a.attend_date like '22/%') as 정상,
    (select count(*) from tblattendance where attendance_type = '지각' and sugang_seq = s.sugang_seq and a.attend_date like '22/%') as 지각,
    (select count(*) from tblattendance where attendance_type = '조퇴' and sugang_seq = s.sugang_seq and a.attend_date like '22/%') as 조퇴,
    (select count(*) from tblattendance where attendance_type = '병가' and sugang_seq = s.sugang_seq and a.attend_date like '22/%') as 병가,
    (select count(*) from tblattendance where attendance_type = '결석' and sugang_seq = s.sugang_seq and a.attend_date like '22/%') as 결석,
    (select count(*) from tblattendance where attendance_type = '기타' and sugang_seq = s.sugang_seq and a.attend_date like '22/%') as 기타
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
                                        order by s.sugang_seq;

-- 특정 개설 과정 월 조회
select
    distinct
    s.sugang_seq as "교육생 번호",
    m.m_name as "교육생 이름",
    (select count(*) from tblattendance where attendance_type = '정상' and sugang_seq = s.sugang_seq and attend_date like '22/04%') as 정상,
    (select count(*) from tblattendance where attendance_type = '지각' and sugang_seq = s.sugang_seq and attend_date like '22/04%') as 지각,
```

```sql
    (select count(*) from tblattendance where attendance_type = '조퇴' and sugang_seq = s.sugang_seq and attend_date like '22/04%') as 조퇴,
    (select count(*) from tblattendance where attendance_type = '병가' and sugang_seq = s.sugang_seq and attend_date like '22/04%') as 병가,
    (select count(*) from tblattendance where attendance_type = '결석' and sugang_seq = s.sugang_seq and attend_date like '22/04%') as 결석,
    (select count(*) from tblattendance where attendance_type = '기타' and sugang_seq = s.sugang_seq and attend_date like '22/04%') as 기타
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
                                        order by s.sugang_seq;



-- 특정 개설 과정 일 조회
select
    su.sugang_seq as "교육생 번호",
    m.m_name as "교육생 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
```

```sql
                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 출결 조회
select
    m.m_name as "교육생 이름",
    a.attend_date as "출석일",
    a.attendance_type as "상태"
from tblcourse c
    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 a.sugang_seq = 182;
```

| 요구사항 | B-09 | 작성일 | 2022-05-17 |
|---|---|---|---|
| 요구사항명 | 관리자-교사 추천 도서 관리 | 작성자 | 백재민 |
| **DML** | | | |

```sql
 -- 작성된 추천 도서 조회
select
    tr.book_seq as "추천도서번호",
```

```sql
    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'), -- 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 1 의 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 | B-10 | 작성일 | 2022-05-17 |
|---|---|---|---|
| 요구사항명 | 관리자-과목 상담 조회 및 관리 | 작성자 | 김은지 |
| **DML** | | | |

```sql
 -- 1. 모든 교육생 상담내역 조회(최신 날짜 순 + 이름 순)

select

    distinct


    m.m_name as "교육생이름",

    cn.course_neme as "과정명",

    c.c_start_date as "시작일",

    c.c_end_date as "종료일",

    sn.subname as "과목명",

    q.consult_txt as "상담내용",

    t.t_name as "교사명",

    a.answer_txt as "상담답변"


from tblConsult q

    inner join tblAnswer a

        on q.consult_seq = a.consult_seq
```

```sql
        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 q.csub_seq = cs.csub_seq order by c.c_start_date desc;
```

```sql
-- 2. 현재 진행 중인 과정 내 질문 조회
select

    distinct


        cn.course_neme as "개설과정명",

        c.c_start_date as "개설과정시작일",

        c.c_end_date as "개설과정종료일",

        sn.subname as "개설과목명",

        m.m_name as"교육생이름",

        q.consult_txt as "상담내용",

        a.answer_txt as "답변내용"


from tblConsult q

    inner join tblAnswer a

        on q.consult_seq = a.consult_seq

            inner join tblCsub cs
```

```sql
        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 q.csub_seq = cs.csub_seq order by m.m_name;

-- 3. 특정 과목 상담 내역 출력(날짜 상관 X)
```

```sql
select

    distinct


    m.m_name,                -- "교육생이름"

    cn.course_neme,          -- "과정명"

    sn.subname,              -- "과목명"

    q.consult_txt,           -- "상담내용"

    t.t_name,                -- "교사명"

    a.answer_txt             -- "상담답변"


from tblmember m

    inner join tblsugang s

        on m.member_seq = s.member_seq

            inner join tblcourse c

                on s.course_seq = c.course_seq

                    inner join tblteacher t
```

```
                    on c.teacher_seq = t.teacher_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

                                                inner join tblconsult q

                                                    on s.sugang_seq = q.sugang_seq

                                                        inner join tblanswer a

                                                            on q.consult_seq = a.consult_seq


where upper(sn.subname) = upper('java') and q.csub_seq = cs.csub_seq

order by cn.course_neme;

-- 4. 특정 교사의 특정 과목 상담내역(날짜 상관 X)

select
```

```sql
    distinct


        t.t_name,             -- "교사명"

        cn.course_neme,       -- "개설과정명"

        c.c_start_date,       -- "개설과정시작일"

        c.c_end_date,         -- "개설과정종료일"

        sn.subname,           -- "개설과목명"

        m.m_name,             -- "교육생이름"

        q.consult_txt,        -- "상담내용"

        a.answer_txt          -- "상담답변"


from tblmember m

    inner join tblsugang s

        on m.member_seq = s.member_seq

            inner join tblcourse c

                on s.course_seq = c.course_seq
```

```
            inner join tblteacher t

                on c.teacher_seq = t.teacher_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

                                            inner join tblconsult q

                                                on s.sugang_seq = q.sugang_seq

                                                    inner join tblanswer a

                                                        on q.consult_seq = a.consult_seq


where upper(sn.subname) = upper('java') and t.t_name = '최경하' and q.csub_seq = cs.csub_seq order by c.c_start_date desc;

-- 5. 답변 수정

if '상담내용' like '%매니저%' then
```

update tblAnswer set answer_txt = '새로운 상담내용' where answer_seq = '답변번호';

    end if;

-- 6. 답변 삭제

delete tblAnswer where answer_seq = '답변번호';

-- 7. 상담내용을 통해 내용 & 답변 삭제

delete tblAnswer where consult_seq = '상담번호';

delete tblConsult where consult_seq = '상담번호';

| **요구사항** | B-11 | **작성일** | 2022-05-17 |
|---|---|---|---|
| **요구사항명** | 관리자-수료생 취업 활동 관리 | **작성자** | 박채은 |
| **DML** | | | |

```
-- insert 해야하는 수료 교육생 목록 출력(개설과정번호로 출력)
select sugang_seq, complete_date, c.course_seq from tblsugang s
                    inner join tblcourse c
                        on s.course_seq = c.course_seq
                    where sugang_seq in (select sugang_seq from tblsugang where progress = '수강종료') and c.course_seq = 25;




-- select 목록을 insert 에 차례대로 등록해야함
-- insert into tblemploye (employe_seq, ent_viewdate, sugang_seq) values (1, add_months('complete_date', 6),sugang_seq);
```

```sql
– 협력기업조회 가능일 수료일 + 6 개월
insert into tblemploye (employe_seq, ent_viewdate, sugang_seq) values (1, add_months('20/09/01', 6),1);
-- tblJobAct 는 둘중 선택
insert into tblJobAct (jobact_seq, sugang_seq) values(1, 1);
insert into tblJobAct (jobact_seq, jobact_date, sugang_seq) values(1, '이력서', 1);


-- 수료 교육생 취업활동 관리 전체 조회
select
    m.m_name as 수료생이름,
    s.complete_date as 수료일,
    cn.course_neme as 개설과정명,
    e.lnsurance_have as 고용보험등록,
    e.ent_viewdate as 협력기업조회가능일,
    j.jobact_date as 취업활동내역
from tblMember m
    inner join tblSugang s
        on m.member_seq = s.member_seq
            inner join tblEmploye e
                on s.sugang_seq = e.sugang_seq
                    inner join tblJobAct j
                        on s.sugang_seq = j.sugang_seq
                            inner join tblCourse c
                                on s.course_seq = c.course_seq
                                    inner join tblCourseName cn
                                        on c.cname_seq = cn.cname_seq;


-- 수료 교육생 취업활동 관리 특정 학생 조회
```

```sql
select
    m.m_name as 수료생이름,
    s.complete_date as 수료일,
    cn.course_neme as 개설과정명,
    e.lnsurance_have as 고용보험등록,
    e.ent_viewdate as 협력기업조회가능일,
    j.jobact_date as 취업활동내역
from tblMember m
    inner join tblSugang s
        on m.member_seq = s.member_seq
            inner join tblEmploye e
                on s.sugang_seq = e.sugang_seq
                    inner join tblJobAct j
                        on s.sugang_seq = j.sugang_seq
                            inner join tblCourse c
                                on s.course_seq = c.course_seq
                                    inner join tblCourseName cn
                                        on c.cname_seq = cn.cname_seq
    where s.sugang_seq = 3;


-- 수료 교육생 취업관리 수정(고용보험)
update tblEmploye set lnsurance_have = 'Y' where sugang_seq = 1;
update tblEmploye set lnsurance_have = 'N' where sugang_seq = 2;


-- 수료 교육생 취업관리 수정(취업활동내역)
```

```
update tblJobAct set jobact_date = '자기소개서' where sugang_seq = 3;


-- 수료 교육생 취업관리 삭제
--날짜 삭제(수료부터 6 개월이 지난 학생 삭제)
select sugang_seq from tblemploye where ent_viewdate < sysdate; -- 삭제할 수료생 찾기
delete tbljobact where sugang_seq in (select sugang_seq from tblemploye where ent_viewdate < sysdate);
delete tblemploye where ent_viewdate < sysdate;


-- 지정 삭제(특정 학생을 선택하여 삭제)
delete tbljobact where sugang_seq = 1;
delete tblemploye where sugang_seq = 1;
```

| 요구사항 | B-12 | 작성일 | 2022-05-17 |
|---|---|---|---|
| 요구사항명 | 관리자-협력 기업 관리 | 작성자 | 박채은 |

**DML**

-- 협력 기업 등록

```
insert into tblenterprise (enterprise_seq, ent_name, ent_people, ent_type, ent_sector, ent_recuit) values (51, '테스트기업', 2, '정규직', 'SI',
'백엔드/서버개발');
```


-- 협력 기업 조회

```sql
select

    ent_name as 기업명,

    ent_people as 구인인원,

    ent_type as 구인형태,

    ent_sector as 업종,

    ent_recuit as 모집부분

from tblenterprise;


-- 협력 기업 수정

update tblenterprise set ent_people = 0 where enterprise_seq = 51;

update tblenterprise set ent_type = '계약직' where enterprise_seq = 51;

update tblenterprise set ent_recuit = '웹개발' where enterprise_seq = 51;


-- 협력 기업 삭제

delete from tblenterprise where enterprise_seq = 51;
```