

데이터 쿼리문(ANSI-SQL)

요구사항번호	B-01	작성일	2022-04-10
요구사항명	관리자 개설과정 관리	작성자	정상우
DML			
<p>개설 과정명, 개설 과정기간(시작 년월일, 끝 년월일), 강의실명, 개설 과목 등록 여부, 교육생 등록 인원 출력.</p> <pre>select bc.name,o.begindate,o.enddate, br.name as "강의실" ,count (s.s_SEQ) --, select count(*) from tblstudent group by c.oc_seq where c.OC_SEQ = s.OC_SEQ from tblTeacher t inner join tblAbleSub a on a.T_seq = t.T_seq inner join tblBasicSubject b on b.BS_seq = a.BS_seq inner join tblOpenSubject o on o.bs_seq = b.bs_seq inner join tblopenClass c on c.oc_seq = o.oc_Seq</pre>			

```

        inner join tblBasicClass bc
        on bc.bc_seq = c.bc_seq
        inner join tblBasicRoom br
        on br.BR_seq = c.BR_seq
        inner join tblStudent s
        on c.OC_seq = s.oc_seq
--
        order by o.os_seq
        group by o.OS_SEQ,o.oc_SEQ,o.begindate,bc.name,t.t_SEQ,br.name,o.enddate
        order by begindate asc;

```

특정 개설 과정에 등록된 개설 과목 정보(과목명, 과목기간(시작 년월일, 끝 년월일), 교재명, 교사명) 및 등록된 교육생 정보(교육생 이름, 주민번호 뒷자리, 전화번호, 등록일, 수료 및 중도탈락)출력

```
select b.name,o.begindate,o.enddate,bo.title,s.name,s.ssn,s.tel,sd.begindate,s.complete
```

```

,case
  when sd.enddate is null then '중도탈락생'
  else '수료학생'
end
from tblTeacher t
inner join tblAbleSub a
  on a.T_seq = t.T_seq
  inner join tblBasicSubject b

```

```

on b.BS_seq = a.BS_seq
  inner join tblOpenSubject o
    on o.bs_seq = b.bs_seq
      inner join tblopenClass c
        on c.oc_seq = o.oc_Seq
          inner join tblBasicClass bc
            on bc.bc_seq = c.bc_seq
              inner join tblBasicRoom br
                on br.BR_seq = c.BR_seq
                  inner join tblStudent s
                    on c.OC_seq = s.oc_seq
                      inner join tblbook bo
                        on bo.book_SEQ = o.book_SEQ
                          inner join tblstudentdate sd
                            on s.s_seq = sd.s_Seq

where bc.bc_SEQ = 2
--      and o.begindate = '2022/02/07'
group by b.name,o.begindate,o.enddate,s.name,s.ssn,s.tel,s.complete,bo.title,sd.begindate,sd.enddate
order by o.begindate asc

```

학생들의 수료날짜 출력

```
select * from tblStudentdate sd
  inner join tblStudent s
    on sd.s_Seq = s.s_seq
    inner join tblOpenClass oc
      on oc.oc_seq = s.oc_seq
    where sd.enddate is not null;
```

개설 과정을 수료한 경우 등록된 교육생 전체에 대해서 수료날짜를 지정 (단, 중도 탈락자는 제외한다.)

```
update tblStudentdate sd
  set sd.enddate = '23-04-04'
  where sd.s_seq = (select s_seq from tblStudent s where s.oc_seq =
  (select c.oc_SEQ from tblopenclass c
  inner join tblbasicclass b
    on b.BC_SEQ = c.BC_SEQ
    inner join tblstudent s
      on s.OC_SEQ = c.OC_SEQ
      where b.name = 'JAVA 기반 백엔드, 클라우드 활용 프로젝트' and s.complete = 'O'
      group by c.oc_SEQ)and sd.s_seq = s.s_seq);
```

개설 과정 정보에 대한 입력 기능

```
insert into tblopenclass (oc_seq,bc_seq,br_seq,begindate,enddate) values(oc_seq.nextval,9,1,23/06/19,23/12/15);
```


요구사항번호	B-02	작성일	2022-04-10
요구사항명	관리자 교재수령	작성자	정상우

DML

-- 등록된 개설과정 목록 별 교재 목록

```
select oc.oc_SEQ,bc.name ,b.title as from tbltakebook tb
  inner join tblstudent st
    on st.s_SEQ = TB.S_SEQ
    inner join tblbook b
      on b.BOOK_SEQ = tb.BOOK_SEQ
      inner join tblopendclass oc
        on oc.oc_SEQ = st.oc_SEQ
        inner join tblbasicclass bc
          on bc.BC_SEQ = oc.BC_SEQ
          group by oc.oc_SEQ,bc.name ,b.title ,tb.take
          order by oc.oc_SEQ;
```

-- 선택개설 과정 과목명 조회

```
select oc.oc_SEQ as 과정번호 ,bc.name as 과정명 ,bs.name as 과목명 from tbltakebook tb
  inner join tblstudent st
    on st.s_SEQ = TB.S_SEQ
    inner join tblbook b
```

```

on b.BOOK_SEQ = tb.BOOK_SEQ

inner join tblopenclass oc

on oc.oc_SEQ = st.oc_SEQ

inner join tblbasicclass bc

on bc.BC_SEQ = oc.BC_SEQ

inner join tblopensubject os

on oc.oc_SEQ = os.Oc_SEQ

inner join tblbasicsubject bs

on bs.BS_SEQ = os.BS_SEQ

where oc.oc_SEQ = 1

group by oc.oc_SEQ,bc.name ,b.title ,tb.take,bs.name

;

```

-- 선택개설 과정 과목 교육생별 교제수령 여부조회

```

select s_SEQ,stname,take from(select st.s_SEQ as s_seq,b.book_SEQ as book, st.name as stname,bs.name as 과목,tb.take as take from tbltakebook tb

inner join tblstudent st

on st.s_SEQ = TB.S_SEQ

inner join tblbook b

on b.BOOK_SEQ = tb.BOOK_SEQ

```

```
inner join tblopenclass oc
on oc.oc_SEQ = st.oc_SEQ
inner join tblbasicclass bc
on bc.BC_SEQ = oc.BC_SEQ
inner join tblopensubject os
on oc.oc_SEQ = os.Oc_SEQ
inner join tblbasicsubject bs
on bs.BS_SEQ = os.BS_SEQ
where oc.oc_SEQ = 1)
where 과목 = 'Java'
group by stname,take,s_SEQ;
```

-- 교제 수령 여부 추가

```
create PROCEDURE takebook(
```

```
b_SEQ = tblbook.book_SEQ%type,
```

```
s_SEQ = tblstudent.S_seq%type,
```

```
take = tbltakebook.take%type
```



```

)
is
begin
    insert into tbltakebook values
        (select nvl(max(tbook_seq)+1,1) from tbltakebook)
        ,b_SEQ
        ,s_SEQ
        ,take

end;

```

요구사항번호	B-03	작성일	2022-04-10
요구사항명	교사성적출력	작성자	정상우
DML			

```
-- 교사가 강의중인 과목 목록 출력
```

```
select
```

```
과목번호,
```

```
과목명,
```

```
과목기간
```

```
from vwOpenSubject vos
```

```
  where vos.교사번호 = (select t_seq from tblTeacher where id = 'yis15')
```

```
  and substr(과목기간, 12, 8) <= to_char(sysdate, 'yy/mm/dd')
```

```
  order by 과목번호;
```

```
-- 선택한 과목을 수강한 학생들의 정보 출력
```

```
select
```

```
s_seq as 번호,
```

```
name as 이름,
```

```
tel as 전화번호
```

```
from tblStudent s
```

```
  inner join tblOpenSubject os
```

```
    on s.oc_seq = os.oc_seq
```

```
    where os.os_seq = 2;
```

```
--
```

```
--특정 과목 의 교육생 정보(이름, 전화번호, 수료 또는 중도탈락) 및 성적이 출결, 필기, 실기 점수 출력
```

```
select
```

```

st.name as 이름,st.tel as 전화번호,st.complete as 수료여부,
    case
        when q.quitdate is null then 'X'
        else '중도탈락'
    end as 중도탈락여부
    ,sc.attendscore as 출결점수,sc.pilgiscore as 필기점수,sc.silgiscore as 실기점수
from tblStudent st
    inner join tblOpenSubject os
        on st.oc_seq = os.oc_seq
    left outer join tblScore sc
        on os.os_Seq = sc.os_Seq and sc.s_Seq = st.s_Seq
    left outer join tblQuit q
        on st.s_seq = q.s_seq
    where os.os_seq = 1
    order by st.s_seq;

```

교육생 전체에 대해서 성적을 등록 여부를 출력

```

select * from tblstudent st
    inner join tblscore sc
        on st.s_SEQ = SC.s_SEQ
    where sc.pilgiscore is not null and sc.silgiscore is not null and sc.attendscore is not null;

```

--과정을 중도 탈락해서 성적 처리가 제외된 교육생이더라도 교육생 명단에는 출력되어야 한다. 중도 탈락 여부를 확인할 수 있도록 해야 한다.

```

select st.s_SEQ ,st.name,q.quitdate as 중도탈락날짜 from tblquit q
    right outer join tblstudent st
        on st.s_SEQ = q.s_SEQ;

```

중도 탈락자의 중도탈락날짜 출력

```
select st.s_SEQ ,st.name,q.quitdate as 중도탈락날짜 from tblquit q
left outer join tblstudent st
on st.s_SEQ = q.s_SEQ;
```

요구사항번호	B-04	작성일	2022-04-10
요구사항명	교육생 로그인	작성자	정상우

DML

성적 조회 기능 출력.

```
select bs.name as 과목명,sc.pilgiscore as 필기,sc.silgiscore as 실기,sc.attendscore as 출석,sc.total as 합계 from tblstudent st
inner join tblscore sc
on st.s_SEQ = sc.s_SEQ
inner join tblopensubject os
on os.os_SEQ = sc.os_SEQ
inner join tblbasicsubject bs
on bs.BS_SEQ = os.BS_SEQ
where st.id = 'u95e4a84p';
```

요구사항번호	B-05	작성일	2022-04-10
--------	------	-----	------------

요구사항명	교육생 성적 조회	작성자	정상우
DML			
<p>교육생의 수강과목 출력</p> <pre> select bs.name as 수강과목 from tblstudent st inner join tblstudentdate sd on sd.s_SEQ = st.s_SEQ inner join tblopenclass oc on oc.oc_SEQ = ST.OC_SEQ inner join tblopensubject os on oc.oc_SEQ = os.oc_SEQ inner join tblbasicsubject bs on bs.BS_SEQ = os.BS_SEQ where st.id = 'zf7u4sm3qqzb' and os.enddate < sd.enddate; </pre> <p>교육생이 수강한 과정명, 과정기간(시작 년월일, 끝 년월일), 강의실이 타이틀로 출력</p> <pre> select bc.name,oc.begindate,oc.enddate,br.name from tblstudent st inner join tblopenclass oc on oc.oc_SEQ = st.OC_SEQ inner join tblbasicroom br on br.BR_SEQ = oc.BR_SEQ inner join tblbasicclass bc on bc.BC_SEQ = oc.BC_SEQ where st.id = 'u95e4a84p'; </pre> <p>교육생의 이름,총점 출력</p> <pre> select bs.name ,s.total from tblstudent st </pre>			

```

inner join tblscore s
  on st.s_SEQ = s.s_SEQ
  inner join tblopensubject os
    on os.OS_SEQ = s.OS_SEQ
    inner join tblbasicsubject bs
      on bs.bs_SEQ = os.BS_SEQ
  where st.id = 'u95e4a84p';

```

성적 정보를 과목별로 출력된다.

```

select st.s_seq,bs.bs_SEQ as 과목번호 ,bs.name as 과목명,os.begindate || ' ~ ' ||os.enddate as 과목시간,b.title as 교재명,t.name as 교사명,sr.pilgiratio*100||'점'
as 필기배점, sr.silgiratio*100||'점' as 실기배점
,sr.attendratio*100||'점' as 출석배점,bs.name,sc.attendscore || '점' as 출석점수 , sc.silgiscore|| '점' as 실기점수 , sc.pilgiscore ||'점' as 필기점수 ,sc.total||'점'
as 총점
,e.examdate as 시험날짜,e.filename as 시험문제
from tblstudent st
  inner join tblscore sc
    on st.s_SEQ = sc.s_SEQ
    inner join tblopensubject os
      on os.os_SEQ = sc.os_SEQ
      inner join tblbasicsubject bs
        on bs.bs_SEQ = os.BS_SEQ
        inner join tblbook b
          on b.book_seq = os.book_seq
          inner join tblteacher t
            on t.T_SEQ = os.T_SEQ
            inner join tblexam e

```

```
        on os.OS_SEQ = e.OS_SEQ
        inner join tblscoreratio sr
            on os.OS_SEQ = sr.OS_SEQ
    where st.id = 'u95e4a84p'
    order by os.begindate;
```

교육생의 이름, 필기점수, 실기점수, 총점출력

```
select bs.name, sc.pilgiscore , sc.silgiscore , sc.attendscore
from tblscore sc
    inner join tblopensubject os
        on os.OS_SEQ = sc.OS_SEQ
        inner join tblbasicsubject bs
            on bs.BS_SEQ = os.BS_SEQ
            inner join tblstudent s
                on s.S_SEQ = sc.S_SEQ
    where s.id = 'u95e4a84p';
```