**데이터 쿼리문(ANSI-SQL)**

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| **요구사항** | D-02 | **작성일** | 2022-05-17 |
| **요구사항명** | 교육생-교육생 성적 조회 | **작성자** | 황혜연, 백재민 |
| **DML** | | | |
| -- 1. 타이틀 화면(황혜연)  select  m.m\_name as 이름 ,  m.m\_password as 비밀번호,  m.m\_tel as 전화번호,  m.m\_registdate as 등록일자,  cn.course\_neme as 과정번호,  c.c\_start\_date || ' ~ ' || c.c\_end\_date as 과정기간 ,  r.room\_name as 강의실,  t.t\_name as 강사명    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 tblRoom r on c.room\_seq = r.room\_seq  inner join tblCourseName cn on c.cname\_seq = cn.cname\_seq  inner join tblTeacher t on c.teacher\_seq = t.teacher\_seq  where s.sugang\_seq = 180(수강생번호);  -- 2. 성적 정보 조회(백재민)  select  cs.csub\_seq as "과목번호",  sn.subname as "과목명",  cs.csstart\_date as "과목시작일",  cs.csend\_date as "과목종료일",  t.t\_name as "교사명",  sp.attend\_point as "출결 배점",  sp.pilgi\_point as "필기 배점",  sp.silgi\_point as "실기 배점",  s.attend\_score as "출결 점수",  s.pilgi\_score as "필기 점수",  s.silgi\_score as "실기 점수",  td.test\_date as "과목 시험일",  tn.test as "시험 문제"  from tblCsub cs  left outer join tblScore s  on cs.csub\_seq = s.csub\_seq  left outer join tblsubtpoint sp  on cs.csub\_seq = sp.csub\_seq  left outer join tblTestDate td  on cs.csub\_seq = td.csub\_seq  left outer join tblTest test  on td.testnum\_seq = test.testnum\_seq  left outer join tblTestName tn  on test.testname\_seq = tn.testname\_seq  left outer join tblSubjectName sn  on cs.subname\_seq = sn.subname\_seq  left outer join tblCourse c  on cs.course\_seq = c.course\_seq  left outer join tblTeacher t  on c.teacher\_seq = t.teacher\_seq  where cs.csub\_seq = 170;  -- 과목의 시험 성적이 입력이 완료 된 후에는 where cs.csub\_seq = 170 and s.sugang\_seq = 270; 을 이용해야한다.  -- 2. 성적 정보 조회(교재)  select  sn.subname,  txt.name as 교재명,  txt.author as 작가,  pb.name as 출판사    from tblSugang s  inner join tblCourse c  on s.course\_seq = c.course\_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 tblsubjecttxt stx on sn.subname\_seq = stx.subname\_seq  inner join tblTextBook txt on stx.txtbook\_seq = txt.txtbook\_seq  inner join tblPublisher pb on txt.publisher\_seq = pb.publisher\_seq  where s.sugang\_seq = 183 and cs.csend\_date < (select max(a.attend\_date) from tblAttendance a where a.sugang\_seq = 183) order by cs.csub\_seq; | | | |

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| **요구사항** | D-03 | **작성일** | 2022-05-17 |
| **요구사항명** | 교육생-출결 관리 및 출결 조회 | **작성자** | 황혜연 |
| **DML** | | | |
| -- 1. 매일 근태 관리 기록 가능  [출석 시]  insert into tblAttendance(  attendance\_seq,  attend\_date,  in\_time,  out\_time,  attendance\_type,  sugang\_seq)  values (  (select max(attenance\_seq) from tblAttendance) + 1,  sysdate,  to\_date(sysdate , 'yyyy-mm-dd hh24:mi:ss'),  to\_date(sysdate , 'yyyy-mm-dd hh24:mi:ss'),  '결석',  183(출석학생 수강번호));  [퇴실 시 (9시 10분 이전 출결한 경우)]  update tblAttendance  set  out\_time = to\_date(sysdate , 'yyyy-mm-dd hh24:mi:ss'),  attendance\_type = '정상'    where to\_char(attend\_date, 'yyyy/mm/dd') = to\_char(sysdate, 'yyyy/mm/dd') and sugang\_seq = 183;  [ 퇴실할 때 (입실시간이 9시 10분 이후일 경우) ]  update tblAttendance  set  out\_time = to\_date(sysdate , 'yyyy-mm-dd hh24:mi:ss'),  attendance\_type = '지각'    where to\_char(attend\_date, 'yyyy/mm/dd') = to\_char(sysdate, 'yyyy/mm/dd') and sugang\_seq = 수강번호;  [지각, 결석 벌점이 15점 이상일 경우]    update tblAttendance  set  out\_time = to\_date(sysdate , 'yyyy-mm-dd hh24:mi:ss'),  attendance\_type = '지각'    where attendance\_seq = (select max(attendance\_seq) from tblAttendance);  -- 2. 본인 출결 현황 조회  -- 날짜별 조회  select attend\_date, attendance\_type from tblAttendance where sugang\_seq = 182 and attend\_date = TO\_DATE('2022-03-01' , 'yyyy/mm/dd');  -- 월별 조회  select attend\_date, attendance\_type from tblAttendance where sugang\_seq = 180 and to\_char(attend\_date, 'mm') = '03';  -- 연도별 조회  select attend\_date, attendance\_type from tblAttendance where sugang\_seq = 180 and to\_char(attend\_date, 'YYYY') = '2022'; | | | |

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| **요구사항** | D-04 | **작성일** | 2022-05-17 |
| **요구사항명** | 교육생-교사 추천도서 조회 | **작성자** | 백재민 |
| **DML** | | | |
| -- 1. 교사이름 입력하면 추천도서 조회 가능  select  tr.rec\_name, -- 책제목,  p.name, -- 출판사,  tr.book\_date, -- 등록일,  t.t\_name, -- 교사명,  sn.subname -- 과목명  from tblTeachRec tr  inner join tblTeacher t  on tr.teacher\_seq = t.teacher\_seq  inner join tblPublisher p  on tr.publisher\_seq = p.publisher\_seq  inner join tblCourse c  on t.teacher\_seq = c.teacher\_seq  inner join tblCourseName cn  on c.cname\_seq = cn.cname\_seq  inner join tblSubjectName sn  on tr.subname\_seq = sn.subname\_seq  where t.t\_name = ‘교사명’  order by cn.course\_neme, sn.subname;  -- 2. 과목별로 추천도서 조회하기  select  tr.rec\_name, -- 책제목,  p.name, -- 출판사,  tr.book\_date, -- 등록일,  t.t\_name, -- 교사명,  sn.subname -- 과목명  from tblTeachRec tr  inner join tblTeacher t  on tr.teacher\_seq = t.teacher\_seq  inner join tblPublisher p  on tr.publisher\_seq = p.publisher\_seq  inner join tblCourse c  on t.teacher\_seq = c.teacher\_seq  inner join tblCourseName cn  on c.cname\_seq = cn.cname\_seq  inner join tblSubjectName sn  on tr.subname\_seq = sn.subname\_seq  where sn.subname = ‘교사명’  order by cn.course\_neme, sn.subname; | | | |

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| **요구사항** | D-05 | **작성일** | 2022-05-17 |
| **요구사항명** | 교육생-교육생 훈련비 조회 | **작성자** | 황혜연 |
| **DML** | | | |
| select  to\_char(attend\_date, 'mm'),  count(case when attendance\_type = '정상' then 1 end),  count(case when attendance\_type = '지각' then 1 end),  count(case when attendance\_type = '결석' then 1 end),  count(case when attendance\_type = '조퇴' then 1 end),  count(case when attendance\_type = '병가' then 1 end),  count(case when attendance\_type = '기타' then 1 end)  from tblAttendance where sugang\_seq = ‘수강번호’ group by to\_char(attend\_date, 'mm') order by to\_char(attend\_date, 'mm'); | | | |

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| **요구사항** | D-06 | **작성일** | 2022-05-17 |
| **요구사항명** | 교육생-과목상담 | **작성자** | 황혜연 |
| **DML** | | | |
| -- 1. 상담 신청하기  -- 수강중인 학생이 과목을 선택한 후 상담내용을 작성한다.  insert into tblConsult (consult\_seq, consult\_txt, csub\_seq, sugang\_seq)  values((select max(consult\_seq)+1 from tblConsult), '새로운상담내용'  , (select  cs.csub\_seq --과목과정번호  from tblCourse c  inner join tblSugang s on c.course\_seq = s.course\_seq  inner join tblCSub cs on c.course\_seq = cs.course\_seq  inner join tblSubjectName sn on cs.subname\_seq = sn.subname\_seq  where s.sugang\_seq = 180 and sn.subname = 'Java')  , 180);  --2. 본인상담 내역조회  select  sj.subname as 과목,  c.consult\_txt as 질문,  a.answer\_txt as 답변,  t.t\_name as 강사명    from tblConsult c  left outer join tblAnswer a on c.consult\_seq = a.consult\_seq  left outer join tblCSub cs on c.csub\_seq = cs.csub\_seq  left outer join tblSubjectName sj on cs.subname\_seq = sj.subname\_seq  left outer join tblTeacher t on a.teacher\_seq = t.teacher\_seq  left outer join tblAnswer a on c.consult\_seq = a.consult\_seq  where c.sugang\_seq = 180; --번호 입력  -- 3. 과목상담내역조회  select  sj.subname as 과목,  cn.course\_neme as 과정,  c.consult\_txt as 질문,  a.answer\_txt as 답변,  t.t\_name as 강사명    from tblConsult c  left outer join tblAnswer a on c.consult\_seq = a.consult\_seq  left outer join tblCSub cs on c.csub\_seq = cs.csub\_seq  left outer join tblSubjectName sj on cs.subname\_seq = sj.subname\_seq  left outer join tblTeacher t on a.teacher\_seq = t.teacher\_seq  left outer join tblAnswer a on c.consult\_seq = a.consult\_seq  left outer join tblCourse c on cs.course\_seq = c.course\_seq  left outer join tblCourseName cn on c.cname\_seq = cn.cname\_seq  where sj.subname = 'Java'; --본인이 수강하고 있는 과정 내 과목명 입력 | | | |

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| **요구사항** | D-07 | **작성일** | 2022-05-17 |
| **요구사항명** | 교육생-수료 교육생 취업 활동 | **작성자** | 박채은 |
| **DML** | | | |
| -- 전체 학생 취업활동 조회  select  m.m\_name as 수료생명,  s.complete\_date as 수료일,  cn.course\_neme as 개설과정명,  j.jobact\_date as 취업활동내역  from tblsugang s  inner join tblmember m  on s.member\_seq = m.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 tbljobact j  on s.sugang\_seq = j.sugang\_seq;  -- 본인 학생 취업활동 조회  select  m.m\_name as 수료생명,  s.complete\_date as 수료일,  cn.course\_neme as 개설과정명,  j.jobact\_date as 취업활동내역  from tblsugang s  inner join tblmember m  on s.member\_seq = m.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 tbljobact j  on s.sugang\_seq = j.sugang\_seq  where s.sugang\_seq = 1;    -- 취업활동내역 입력/수정  update tbljobact set jobact\_date = '자기소개서' where sugang\_seq = 1; | | | |

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| **요구사항** | D-08 | **작성일** | 2022-05-17 |
| **요구사항명** | 교육생-협력 기업 조회 | **작성자** | 박채은 |
| **DML** | | | |
| -- 협력기업조회  select  ent\_name as 기업명,  ent\_people as 구인인원,  ent\_type as 구인형태,  ent\_sector as 업종,  ent\_recuit as 모집부분  from tblenterprise; | | | |