**데이터 쿼리문(ANSI-SQL)**

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| **요구사항** | B-01 | **작성일** | 2022-05-17 |
| **요구사항명** | 관리자 계정 로그인 | **작성자** | 고수경 |
| **DML** | | | |
| slect \* from tblAdmin;  slect count(\*) ascntfrom tblAdmin | | | |

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| **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 | | | |

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| **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);  -- 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",  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  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'  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; | | | |

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| **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  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;    -- 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  on s.member\_seq = m.member\_seq  where c.course\_seq = 개설과정번호;  ----------------- 개설 과정 정보 수정 -----------------  -- 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'); | | | |

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| **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 -----------------  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  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  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",  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; | | | |

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| **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;  --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;  --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",  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;  -- 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  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  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 5회 > 결석 = 3점 지각 = 1점 > 총 15점이상이면 중도탈락)  -- 수강테이블에 중도탈락 처리  -- 1. 해당 학생의 (지각 + 결석) 점수가 15점인경우  select  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\_seq를 변수로 받기 (ex)200)  -- 2.  update tblSugang set progress = '중도탈락' where sugang\_seq = 학생번호; --sugang\_seq를 변수로 받기  -- 3. 중도탈락테이블에 추가  --중도탈락인지 검증도  --수강테이블에서 중도탈락일 경우 1을 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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| **요구사항** | B-07 | **작성일** | 2022-05-17 |
| **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",  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; --1번 혹은 25번  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;  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  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 = 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  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  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  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  on s.sugang\_seq = sc.sugang\_seq and cs.csub\_seq = sc.csub\_seq  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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| **요구사항** | B-07 | **작성일** | 2022-05-17 |
| **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  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  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; --1번 혹은 25번  ------------------------------------------------------------------------------------  -- 성적 정보 출력시 개설 과목별 출력  ------------------------------------------------------------------------------------  --------------------------------------------------------------------------------------  -- 1.1 개설과정명, 개설과정시작일, 개설과정종료일, 과목명, 강의실명, 강의실명, 교사명  --------------------------------------------------------------------------------------  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; | | | |

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| **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;    -- 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  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,  (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  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; | | | |

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| **요구사항** | B-09 | **작성일** | 2022-05-17 |
| **요구사항명** | 관리자-교사 추천 도서 관리 | **작성자** | 백재민 |
| **DML** | | | |
| -- 작성된 추천 도서 조회  select  tr.book\_seq as "추천도서번호",  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 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; | | | |

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| **요구사항** | B-10 | **작성일** | 2022-05-17 |
| **요구사항명** | 관리자-과목 상담 조회 및 관리 | **작성자** | 김은지 |
| **DML** | | | |
| -- 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  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;  -- 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  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)  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  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’; | | | |

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| **요구사항** | B-11 | **작성일** | 2022-05-17 |
| **요구사항명** | 관리자-수료생 취업 활동 관리 | **작성자** | 박채은 |
| **DML** | | | |
| -- insert해야하는 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 insert에 차례대로 등록해야함  -- insert into tblemploye (employe\_seq, ent\_viewdate, sugang\_seq) values (1, add\_months('complete\_date', 6),sugang\_seq);  – 협력기업조회 가능일 수료일 + 6개월  insert into tblemploye (employe\_seq, ent\_viewdate, sugang\_seq) values (1, add\_months('20/09/01', 6),1);  -- tblJobAct는 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  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 6개월이 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; | | | |

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| **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  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; | | | |