**업무SQL(ANSI-SQL)**

| 요구사항번호 | C-04 | 작성일 | 2022-05-18 |
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| 요구사항명 | 성적 관리 및 조회 | 작성자 | 권민채 |
| DML | | | |
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| 1. 과목 목록 출력  select  open\_subject.seq as 과목번호,  curriculum.name as 과정명,  subject.subject\_name as 개설과목,  open\_subject.begin\_date as "과목 시작일",  open\_subject.end\_date as "과목 종료일",  lectureroom.room\_name as 강의실명,  teacher.name as 교사명  from open\_curs  inner join open\_subject on open\_subject.open\_curs\_seq = open\_curs.seq  inner join curriculum on open\_curs.curs\_seq = curriculum.seq  inner join subject on subject.seq = open\_subject.subject\_seq  inner join lectureroom on open\_curs.room\_seq = lectureroom.seq  inner join teacher on open\_subject.teacher\_seq = teacher.seq  order by open\_subject.seq;  2. 특정 과목번호의 교육생 정보 및 성적 조회  select  open\_subject.seq as 과목번호,  subject.subject\_name as 과목명,  member.name as 이름,  member.tel as 전화번호,  student.drop\_out as "중도탈락 여부",  subject\_score.written\_score as 필기점수,  subject\_score.skill\_score as 실기점수,  subject\_score.attendance\_score as 출결점수  from student  inner join member on member.seq = student.member\_seq  inner join subject\_score on subject\_score.student\_seq = student.seq  inner join open\_subject on open\_subject.seq = subject\_score.open\_subject\_seq  inner join subject on subject.seq = open\_subject.subject\_seq  where open\_subject.seq = <과목번호>; | | | |
| 3. 특정 교육생 번호와 과목명 입력시 시험 점수를 입력  select  open\_subject.seq as 과목번호,  subject.subject\_name as 과목명,  member.name as 이름,  student.seq as 교육생번호,  student.drop\_out as "중도탈락 여부",  subject\_score.written\_score as 필기점수,  subject\_score.skill\_score as 실기점수,  subject\_score.attendance\_score as 출결점수  from student  inner join member on member.seq = student.member\_seq  inner join subject\_score on subject\_score.student\_seq = student.seq  inner join open\_subject on open\_subject.seq = subject\_score.open\_subject\_seq  inner join subject on subject.seq = open\_subject.subject\_seq  where subject\_score.written\_score is null;  update subject\_score  set  subject\_score.written\_score = <필기점수>,  subject\_score.skill\_score = <실기점수>,  subject\_score.attendance\_score = <출결점수>,  where subject\_score.open\_subject\_seq =<과목번호> and subject\_score.student\_seq = <교육생번호>; | | | |

| 요구사항번호 | C-05 | 작성일 | 2022-05-18 |
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| 요구사항명 | 출결 관리 및 출결 조회 | 작성자 | 권민채 |
| DML | | | |
| 1.전체 출결현황 조회  select  a.student\_seq as "학생번호",  a.seq as "출결번호",  a.attendance\_date as "날짜",  case  when min(d.checkin) is not null then '출석'  when to\_char(a.attendance\_date, 'd') = 7 or to\_char(a.attendance\_date, 'd') = 1 then '(주말)'  when (select sick\_or\_etc from sick\_or\_etc where attendance\_seq = a.seq) = '병가' then '병가'  when (select sick\_or\_etc from sick\_or\_etc where attendance\_seq = a.seq) = '기타' then '기타'  when (select count(\*) from holiday where holiday\_date = a.attendance\_date) > 0 then '(공휴일)'  else '결석'  end as "출석",  case  when to\_date(min(d.checkin), 'hh24:mi') >= to\_date('09:10', 'hh24:mi') then '지각'  else '.'  end as "지각",  case  when to\_date(max(d.checkout), 'hh24:mi') < to\_date('17:50', 'hh24:mi') then '조퇴'  else '.'  end as "조퇴",  case  when (select count(\*) from attendance\_detail where attendance\_seq = a.seq ) > 1 then '외출'  else '.'  end as "외출"  from attendance a  left outer join attendance\_detail d  on d.attendance\_seq = a.seq  inner join student s  on s.seq = a.student\_seq  where a.attendance\_date < sysdate  group by a.seq, a.attendance\_date, a.student\_seq;  2.특정개설과정의 모든 교육생 출결상황 조회  select  "학생번호",  count(decode("출석", '출석', 1)) as "출석일수",  count(decode("지각조퇴", '출석..', 1)) as "정상일수",  count(decode("지각조퇴", '출석지각.', 1)) as "지각일수",  count(decode("지각조퇴", '출석.조퇴', 1)) as "조퇴일수",  count(decode("지각조퇴", '출석지각조퇴', 1)) as "지각 및 조퇴일수",  count(decode("지각조퇴", '외출', 1)) as "외출일수",  count(decode("지각조퇴", '결석', 1)) as "결석일수",  count(decode("출석", '병가', 1)) as "병가일수",  count(decode("출석", '기타', 1)) as "기타일수"  from  (select i.\*, 출석||지각||조퇴 as "지각조퇴" from attendance\_info i  where "학생번호" in (select seq from student where open\_curs\_seq = <선택한 특정개설과정번호>)  and "날짜" between <조회하는 시작년월일> and <조회하는 끝년월일>)  group by "학생번호"; | | | |

| 요구사항번호 | C-06 | 작성일 | 2022-05-18 |
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| 요구사항명 | 상담일지 작성 및 조회 | 작성자 | 권민채 |
| DML | | | |
| 1. 상담일지 조회  select  member.name as 교육생이름,  counsel\_topic.counsel\_topic as 상담주제,  counsel\_date as 상담날짜,  curriculum.name as 수강과정  from counsel  inner join counsel\_topic on counsel\_topic.seq = counsel\_topic\_seq  inner join student on student.seq = student\_seq  inner join member on member.seq = student.member\_seq  inner join teacher on teacher.seq = counsel.teacher\_seq  inner join open\_curs on open\_curs.seq = student.open\_curs\_seq  inner join curriculum on curriculum.seq = open\_curs.curs\_seq  where teacher.name = <로그인한 교사 이름>  order by counsel\_date; | | | |
| 2. 특정 교육생의 상담현황 조회  select  member.name as 교육생이름,  counsel\_topic.counsel\_topic as 상담주제,  counsel\_date as 상담날짜,  curriculum.name as 수강과정  from counsel  inner join counsel\_topic on counsel\_topic.seq = counsel\_topic\_seq  inner join student on student.seq = student\_seq  inner join member on member.seq = student.member\_seq  inner join teacher on teacher.seq = counsel.teacher\_seq  inner join open\_curs on open\_curs.seq = student.open\_curs\_seq  inner join curriculum on curriculum.seq = open\_curs.curs\_seq  where member.name = <교육생 이름>  order by counsel\_date; | | | |
| 3. 특정 과정별 상담현황 조회  select  member.name as 교육생이름,  counsel\_topic.counsel\_topic as 상담주제,  counsel\_date as 상담날짜,  curriculum.name as 수강과정  from counsel  inner join counsel\_topic on counsel\_topic.seq = counsel\_topic\_seq  inner join student on student.seq = student\_seq  inner join member on member.seq = student.member\_seq  inner join teacher on teacher.seq = counsel.teacher\_seq  inner join open\_curs on open\_curs.seq = student.open\_curs\_seq  inner join curriculum on curriculum.seq = open\_curs.curs\_seq  where curriculum.name = <과정이름>  order by counsel\_date; | | | |
| 4.상담일지 등록  insert into counsel values (counsel\_seq.nextval, <교육생번호>, <상담주제번호>, <상담일자>);  5.상담일지 수정  update counsel  set (student\_seq, counsel\_topic\_seq, counsel\_date) = (<교육생번호>,<상담주제번호>,<상담일자>)  where counsel\_seq = <상담일지 번호>;    6.상담일지 삭제  delete from counsel where counsel\_seq = <상담일지 번호>; | | | |

| 요구사항번호 | D-07 | 작성일 | 2022-05-18 |
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| 요구사항명 | 취업공고 조회 | 작성자 | 권민채 |
| DML | | | |
| 1. 분야별 취업 공고 조회  select  city.city as "지역",  job\_announce.company as "회사명",  job\_field.field\_name as "분야",  contract\_type.contract\_type as "직위",  job\_announce.people as "모집인원",  job\_announce.begin\_date as "모집 시작일",  job\_announce.end\_date as "모집 종료일"  from job\_announce  inner join city on job\_announce.city\_seq = city.seq  inner join job\_field on job\_announce.field\_seq= job\_field.seq  inner join contract\_type on job\_announce.contract\_seq = contract\_type.seq  where contract\_type.contract\_type = <직위>; | | | |
| 2. 기간별 취업공고 조회  select  city.city as "지역",  job\_announce.company as "회사명",  job\_field.field\_name as "분야",  contract\_type.contract\_type as "직위",  job\_announce.people as "모집인원",  job\_announce.begin\_date as "모집 시작일",  job\_announce.end\_date as "모집 종료일"  from job\_announce  inner join city on job\_announce.city\_seq = city.seq  inner join job\_field on job\_announce.field\_seq= job\_field.seq  inner join contract\_type on job\_announce.contract\_seq = contract\_type.seq  where job\_announce.end\_date between <모집시작일> and <모집종료일>; | | | |
| 3. 지역별 취업공고 조회  select  city.city as "지역",  job\_announce.company as "회사명",  job\_field.field\_name as "분야",  contract\_type.contract\_type as "직위",  job\_announce.people as "모집인원",  job\_announce.begin\_date as "모집 시작일",  job\_announce.end\_date as "모집 종료일"  from job\_announce  inner join city on job\_announce.city\_seq = city.seq  inner join job\_field on job\_announce.field\_seq= job\_field.seq  inner join contract\_type on job\_announce.contract\_seq = contract\_type.seq  where city.city = <지역명>; | | | |