**데이터 쿼리문(ANSI-SQL)**

| 요구사항번호 | B-07 | 작성일 | 2022-05-18 |
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| 요구사항명 | 시험 관리 및 성적 조회 기능 | 작성자 | 강지윤 |
| DML | | | |
| ▶ where절 <> 위치에는 <>안에 있는 내용에 해당하는 데이터 입력  **–1.특정 개설 과정을 선택하면 개설 과목 정보 출력 (개설 과목명, 과목시작일, 과목종료일, 개설과정명, 강의실명, 교사명, 교재명)**  --where절에서 원하는 개설과정명을 입력하면 됨.  select  distinct subject\_name as 개설과목,  open\_subject.begin\_date as 시작일,  open\_subject.end\_date as 종료일,  curriculum.name as 개설과정명,  lectureroom.room\_name as 강의실명,  teacher.name as 교사명,  book.subject as 교재명  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  inner join subject\_book on subject\_book.subject\_seq = subject.seq  inner join book on subject\_book.book\_seq = book.seq  where curriculum.name = <개설과정명>  order by curriculum.name;  **—2.개설 과목별(수강종료, 수강중인 개설과목만)로 시험 문제 파일 등록 여부(필기,실기), 성적 등록 여부(필기,실기,출결)확인**  --where절에서 원하는 개설과목명을 입력하면 됨.  select  distinct subject.subject\_name as 과목명,  open\_subject.seq as 개설과목번호,  open\_subject.subject\_seq as 과목번호,  open\_curs.seq as 개설과정번호,  curriculum.name as 개설과정명,  (case when r.written\_test\_question = '시험문제등록안함' then 'N' else 'Y' end) as "필기시험문제등록여부",  (case when s.skill\_test\_question = '시험문제등록안함' then 'N' else 'Y' end) as "실기시험문제등록여부",  (case when subject\_score.written\_score is not null then 'Y' else 'N' end) as "필기성적등록여부",  (case when subject\_score.skill\_score is not null then 'Y' else 'N' end) as "실기성적등록여부",  (case when subject\_score.attendance\_score is not null then 'Y' else 'N' end) as "출결성적등록여부"  from open\_subject  inner join subject\_score on subject\_score.open\_subject\_seq = open\_subject.seq  inner join subject on subject.seq = open\_subject.subject\_seq  inner join open\_curs on open\_curs.seq = open\_subject.open\_curs\_seq  inner join curriculum on curriculum.seq = open\_curs.curs\_seq  inner join written\_test on written\_test.open\_subject\_seq = open\_subject.seq  inner join skill\_test on skill\_test.open\_subject\_seq = open\_subject.seq  inner join written\_test\_question r on r.written\_test\_seq = written\_test.seq  inner join skill\_test\_question s on s.skill\_test\_seq = skill\_test.seq  where subject.subject\_name = <개설과목명>  order by 개설과정번호;  **--3. 개설 과목별 성적 출력시 1)개설과목별정보 + 2)개설과목별 수강생의 성적정보 출력**  --where절에 원하는 개설과목명을 입력  --너무 길어져서 2개로 나눔.  **--1)개설 과목별 정보 출력(개설 과정명, 과목시작일, 과목종료일, 과정번호, 과정명, 과정기간, 강의실명, 교사명, 교재명)**  select  distinct subject\_name as 과목명,  open\_subject.begin\_date as 과목시작일,  open\_subject.end\_date as 과목종료일,  open\_curs.seq as 과정번호,  curriculum.name as 과정명,  open\_curs.current\_term || '개월' as 과정기간,  lectureroom.room\_name as 강의실명,  teacher.name as 교사명,  book.subject as 교재명  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  inner join subject\_book on subject\_book.subject\_seq = subject.seq  inner join book on subject\_book.book\_seq = book.seq  where subject\_name = <개설과목명>  order by 과정번호;  **--2)개설 과목별 수강생의 성적 정보(교육생 이름, 주민번호 뒷자리, 필기점수, 실기점수,출결점수)**  select  s.seq as "교육생 번호",  m.name as "교육생 이름",  m.ssn as "주민번호 뒷자리",  subject.subject\_name as "개설과목명",  ss.written\_score as 필기점수,  ss.skill\_score as 실기점수,  ss.attendance\_score as 출결점수  from student s  inner join member m on m.seq = s.member\_seq  inner join subject\_score ss on ss.student\_seq = s.seq  inner join open\_subject os on os.seq = ss.open\_subject\_seq  inner join subject on subject.seq = os.subject\_seq  where subject.subject\_name = <개설과목명>;  **--4.교육생 개인별 출력시 교육생정보+교육생이 수강한 모든 개설과목에 대한 성적 정보**  --where절에 원하는 교육생 이름을 입력  --(교육생 이름, 주민번호 뒷자리, 개설과정명, 개설과정시작, 개설과정종료, 강의실, 개설 과목명, 교사명, 개설과목시작, 개설과목종료날짜, 필기, 실기, 출결)  select  distinct subject.subject\_name as "개설과목명",  s.seq as "교육생 번호",  m.name as "교육생 이름",  m.ssn as "주민번호 뒷자리",  curriculum.name as 과정명,  open\_curs.begin\_date as "과정시작날짜",  open\_curs.end\_date as "과정종료날짜",  lectureroom.room\_name as 강의실명,  teacher.name as 교사명,  os.begin\_date as "과목시작날짜",  os.end\_date as "과목종료날짜",  ss.written\_score as 필기점수,  ss.skill\_score as 실기점수,  ss.attendance\_score as 출결점수  from student s  inner join member m on m.seq = s.member\_seq  inner join subject\_score ss on ss.student\_seq = s.seq  inner join open\_subject os on os.seq = ss.open\_subject\_seq  inner join subject on subject.seq = os.subject\_seq  inner join open\_curs on open\_curs.seq = os.open\_curs\_seq  inner join curriculum on open\_curs.curs\_seq = curriculum.seq  inner join lectureroom on open\_curs.room\_seq = lectureroom.seq  inner join teacher on os.teacher\_seq = teacher.seq  inner join subject\_book on subject\_book.subject\_seq = subject.seq  inner join book on subject\_book.book\_seq = book.seq  where m.name = <교육생 이름>  order by "교육생 번호"; 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| 요구사항명 | 취업 공고 관리 및 조회 | 작성자 | 강지윤 |
| DML | | | |
| ▶ where절 < > 위치에는 <>안에 있는 내용에 해당하는 데이터 입력  **--1. 전체 취업 공고조회(회사명, 지역, 분야, 계약형태, 모집인원, 모집시작날짜, 모집종료날짜)**  select  a.company as 회사명,  city.city as 지역,  job\_field.field\_name as 분야,  contract\_type.contract\_type as 계약형태,  a.people as 모집인원,  a.begin\_date as 모집시작날짜,  a.end\_date as 모집종료날짜  from job\_announce a  inner join city on city.seq = a.city\_seq  inner join job\_field on job\_field.seq = a.field\_seq  inner join contract\_type on contract\_type.seq = a.contract\_seq  order by 모집시작날짜;  **--2. 기간별 조회(모집종료날짜가 'yyyy-mm-dd'부터 'yyyy-mm-dd' 사이인 기간 조회)**  --where절에 원하는 기간 입력  select  a.company as 회사명,  city.city as 지역,  job\_field.field\_name as 분야,  contract\_type.contract\_type as 계약형태,  a.people as 모집인원,  a.begin\_date as 모집시작날짜,  a.end\_date as 모집종료날짜  from job\_announce a  inner join city on city.seq = a.city\_seq  inner join job\_field on job\_field.seq = a.field\_seq  inner join contract\_type on contract\_type.seq = a.contract\_seq  where a.end\_date between <기간시작날짜> and <기간종료날짜>  order by 모집종료날짜;  **--3.분야별 (분야명으로 검색 ex. 웹개발) 조회**  --where절에 원하는 분야명 입력  select  a.company as 회사명,  city.city as 지역,  job\_field.field\_name as 분야,  contract\_type.contract\_type as 계약형태,  a.people as 모집인원,  a.begin\_date as 모집시작날짜,  a.end\_date as 모집종료날짜  from job\_announce a  inner join city on city.seq = a.city\_seq  inner join job\_field on job\_field.seq = a.field\_seq  inner join contract\_type on contract\_type.seq = a.contract\_seq  where job\_field.field\_name = <분야명>  order by 모집시작날짜;  **--4. 지역별(지역명으로 검색 - ex. 서울) 조회**  --where절에 원하는 지역명 입력  select  a.company as 회사명,  city.city as 지역,  job\_field.field\_name as 분야,  contract\_type.contract\_type as 계약형태,  a.people as 모집인원,  a.begin\_date as 모집시작날짜,  a.end\_date as 모집종료날짜  from job\_announce a  inner join city on city.seq = a.city\_seq  inner join job\_field on job\_field.seq = a.field\_seq  inner join contract\_type on contract\_type.seq = a.contract\_seq  where city.city = <지역명>  order by 모집시작날짜;  **--5. 취업공고 등록**  --등록할 데이터 입력  insert into job\_announce values ((select max(seq) + 1 from job\_announce), 회사명, 지역번호, 분야번호, 계약형태번호, 모집인원수, 모집시작날짜, 모집종료날짜);  **--6. 취업공고 수정**  --where절에 수정할 취업공고번호를 입력하고, 수정할 데이터 입력  update job\_announce set company = 회사명 where seq = 수정할취업공고번호;  update job\_announce set city\_seq = 지역번호 where seq = 수정할취업공고번호;  update job\_announce set field\_seq = 분야번호 where seq = 수정할취업공고번호;  update job\_announce set constract\_seq = 계약형태번호 where seq = 수정할취업공고번호;  update job\_announce set people = 모집인원 where seq = 수정할취업공고번호;  update job\_announce set begin\_date = 모집시작날짜 where seq = 수정할취업공고번호;  update job\_announce set end\_date = 모집종료날짜 where seq = 수정할취업공고번호;  **--7. 취업공고 삭제**  delete from job\_announce where seq = 삭제할취업공고번호; | | | |

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| 요구사항명 | 교육생 상담일지 관리 및 조회 | 작성자 | 강지윤 |
| DML | | | |
| ▶where절 < > 위치에는 <>안에 있는 내용에 해당하는 데이터 입력  **--1. 전체 상담일지 조회 (교육생 이름, 교사이름, 상담주제, 상담날짜)**  select  member.name as 교육생이름, teacher.name as 교사이름, counsel\_topic.counsel\_topic as 상담주제, counsel\_date as 상담날짜  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;  **--2. 상담일지 기간별 조회**  --where절에 원하는 기간 입력  select  member.name as 교육생이름, teacher.name as 교사이름, counsel\_topic.counsel\_topic as 상담주제, counsel\_date as 상담날짜  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  where counsel\_date between <기간시작날짜> and <기간종료날짜>; | | | |