**쿼리문 정의서(ANSI-SQL)**

**교육생**

2조

한가람, 김원중, 이승진, 이지온, 이지원

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| 요구사항번호 | C-1.성적조회 | 작성일 | 2025-02-05 |
| 요구사항명 | 성적 조회 | 작성자 | 김원중 |
| DML | | | |
| -- 교육생 성적 조회  SELECT  tblSubject.subjectId AS 과목번호,  tblSubject.subjectName AS 과목명,  tblOpenedSubject.subjectStartDate AS 과목시작일,  tblOpenedSubject.subjectEndDate AS 과목종료일,  tblTextbook.textbookName AS 교재명,  tblTeacher.teacherName AS 교사명,  tblOpenedSubject.subjectWrittenScoreWeight AS 필기배점비율,  tblOpenedSubject.subjectPracticalScoreWeight AS 실기배점비율,  tblOpenedSubject.subjectAttendanceScoreWeight AS 출결배점비율,  tblGrade.gradeWrittenScore AS 필기시험성적,  tblGrade.gradePracticalScore AS 실기시험성적,  tblGrade.gradeAttendanceScore AS 출결성적,  tblWrittenExam.writtenExamDate AS 필기시험일,  tblWrittenExam.writtenExamQuestions AS 필기시험문제,  tblPracticalExam.practicalExamDate AS 실기시험일,  tblPracticalExam.practicalExamQuestions AS 실기시험문제  FROM tblStudent  JOIN tblOpenedCourse ON tblStudent.studentCourseId = tblOpenedCourse.openedCourseId  JOIN tblOpenedSubject ON tblOpenedCourse.openedCourseId = tblOpenedSubject.openedCourseId  JOIN tblTeacher ON tblOpenedCourse.teacherId = tblTeacher.teacherId  JOIN tblSubject ON tblSubject.subjectId = tblOpenedSubject.subjectId  JOIN tblTextbook ON tblSubject.subjectId = tblTextbook.subjectId  JOIN tblWrittenExam ON tblWrittenExam.openedSubjectId = tblOpenedSubject.openedSubjectId  JOIN tblPracticalExam ON tblPracticalExam.openedSubjectId = tblOpenedSubject.openedSubjectId  JOIN tblGrade ON tblGrade.studentId = tblStudent.studentId and tblGrade.openedSubjectId = tblOpenedSubject.openedSubjectId  WHERE tblStudent.studentId = 300 ORDER BY tblOpenedSubject.subjectid; | | | |

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| 요구사항번호 | C-2.출결관리및출결조회 | 작성일 | 2025-02-05 |
| 요구사항명 | 출결 관리 및 출결 조회 | 작성자 | 김원중 |
| DML | | | |
| D-2-1 교육생 출결 관리  -- 교육생 출근 기록  INSERT INTO tblAttendance VALUES  ((SELECT MAX(attendanceId) FROM tblAttendance) + 1, TO\_CHAR(SYSDATE, 'YYYY/MM/DD'), SYSDATE, NULL, NULL, 300);  -- 교육생 퇴근 기록  UPDATE tblAttendance SET attendanceCheckOutTime = SYSDATE  WHERE TO\_CHAR(attendanceDate, 'YYYY/MM/DD') = TO\_CHAR(SYSDATE, 'YYYY/MM/DD') AND studentId = 300;  D-2-2 교육생 출결 조회  -- 교육생 출결 조회(일)  SELECT  TO\_CHAR(attendanceDate, 'YYYY/MM/DD') AS 날짜,  TO\_CHAR(attendanceCheckInTime, 'HH24:MI:SS') AS 출근시간,  TO\_CHAR(attendanceCheckOutTime, 'HH24:MI:SS') AS 퇴근시간,  attendanceStatus AS 상태  FROM tblAttendance WHERE studentId = 200 AND TO\_CHAR(attendanceDate, 'YY/MM/DD') = TO\_CHAR(SYSDATE, 'YY/MM/DD');  -- 교육생 출결 조회(월)  SELECT  TO\_CHAR(attendanceDate, 'YYYY/MM/DD') AS 날짜,  TO\_CHAR(attendanceCheckInTime, 'HH24:MI:SS') AS 출근시간,  TO\_CHAR(attendanceCheckOutTime, 'HH24:MI:SS') AS 퇴근시간,  attendanceStatus AS 상태  FROM tblAttendance WHERE studentId = 200 AND TO\_CHAR(attendanceDate, 'YY/MM') = TO\_CHAR(SYSDATE, 'YY/MM');  -- 교육생 출결 조회(전체)  SELECT  TO\_CHAR(attendanceDate, 'YYYY/MM/DD') AS 날짜,  TO\_CHAR(attendanceCheckInTime, 'HH24:MI:SS') AS 출근시간,  TO\_CHAR(attendanceCheckOutTime, 'HH24:MI:SS') AS 퇴근시간,  attendanceStatus AS 상태  FROM tblAttendance WHERE studentId = 200; | | | |

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| 요구사항번호 | C-3. 교사 경력사항 조회 | 작성일 | 2025-02-05 |
| 요구사항명 | 교사 경력사항 조회 | 작성자 | 김원중 |
| DML | | | |
| -- 교육생 교사 경력사항 조회  SELECT  teacherName,  teacherExperienceCertification  FROM tblTeacherExperience  JOIN tblTeacher ON tblTeacher.teacherId = tblTeacherExperience.teacherId  WHERE tblTeacherExperience.teacherId = 1; | | | |

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| 요구사항번호 | C-4. 자율게시판 이용 | 작성일 | 2025-02-05 |
| 요구사항명 | 자율게시판 이용 | 작성자 | 김원중 |
| DML | | | |
| -- 교육생 자유게시판 작성  INSERT INTO tblFreeBoard VALUES ((SELECT MAX(freeBoardId) FROM tblFreeBoard) + 1 , '제목', '내용', SYSDATE, 1);  -- 교육생 자유게시판 수정  UPDATE tblFreeBoard SET freeBoardTitle = '수정된 제목', freeBoardContent = '수정된 내용' WHERE freeBoardId = 101;  -- 교육생 자유게시판 조회  SELECT  tblFreeBoard.freeBoardId AS 글번호,  tblFreeBoard.freeBoardTitle AS 제목,  tblFreeBoard.freeBoardContent AS 내용,  tblFreeBoard.freeBoardCreationDate AS 작성시간,  tblStudent.studentName AS 작성자  FROM tblFreeBoard  JOIN tblStudent ON tblStudent.studentId = tblFreeBoard.studentId  ORDER BY tblFreeBoard.freeBoardId;  -- 교육생 자유게시판 삭제  DELETE FROM tblFreeBoard WHERE freeBoardId = 101; | | | |

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| 요구사항번호 | C-5. 국민취업제도 | 작성일 | 2025-02-05 |
| 요구사항명 | 국민취업제도 | 작성자 | 김원중 |
| DML | | | |
| -- 교육생 국민취업제도 등록  INSERT INTO tblNationalRetrieval VALUES( 130, 'O', 2, '2025/02/05', '승인완료');  INSERT INTO tblNationalRetrieval VALUES( 131, 'X', NULL, NULL, NULL);  -- 교육생 국민취업제도 수정  UPDATE tblNationalRetrieval SET  nationalRetrievalParticipation = 'O',  nationalRetrievalSupport = 1,  ntnlRtrvlplctnDt = '2025/02/06',  ntnlRtrvlprvlSts = '승인완료'  WHERE studentId = 131; | | | |

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| 요구사항번호 | C-6. 사후처리 입력 | 작성일 | 2025-02-05 |
| 요구사항명 | 사후처리 입력 | 작성자 | 김원중 |
| DML | | | |
| -- 교육생 취업 활동 등록(입사)  UPDATE tblStudentHistory SET historyInsuranceEnrollmentDate = '2025/02/01'  WHERE studentId = 8;  -- 교육생 취업 활동 조회  SELECT \* FROM tblStudentHistory WHERE studentId = 8;  -- 교육생 취업 활동 수정(퇴사) -- 트리거로 사후처리 테이블에 INSERT  UPDATE tblStudentHistory SET hstrnsrncTrmntnDt = '2025/02/01'  WHERE studentId = 8; | | | |

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| 요구사항번호 | C-07.교육생 관리 | 작성일 | 2025-02-05 |
| 요구사항명 | 교육생 관리 | 작성자 | 한가람 |
| DML | | | |
| --1. 교육생 등록  INSERT INTO tblStudent (studentId, studentRegistrationDate, studentMajor, studentName, studentEmail, studentPhoneNumber, studentResidentNumberBack, studentCompletionStatus, studentCourseId)  VALUES ((select max(studentId) + 1 from tblstudent), sysdate, 'O', '이수만', 'sumani@kakao.com', '010-5616-2124', '1240124', '수강대기', 12);  --2. 교육생 조회  select studentName as 교육생이름  , studentResidentNumberBack as 주민번호뒷자리  , studentPhoneNumber as 전화번호  , studentRegistrationDate as 등록일  from tblstudent  where studentId = 1 --조회할 교육생\_ID  ;  --3. 수강 정보 상세 조회  select s.studentName as 교육생이름  , c.coursename as 개설과정명  , to\_char(oc.openedStartDate, 'yyyymmdd') || ' ~ ' || to\_char(oc.openedCompletionDate, 'yyyymmdd') as 과정기간  , cr.classroomname as 강의실명  , t.teachername as 담당교사명  , a.adminname as 담당매니저명  , s.studentCompletionStatus as 수강상태  from tblstudent s  inner join tblopenedcourse oc  on s.studentCourseId = oc.openedcourseid  inner join tblClassroom cr  on cr.classroomid = oc.classroomid  inner join tblteacher t  on oc.teacherid = t.teacherid  inner join tblAdmin a  on a.adminmanagerid = oc.adminmanagerid  inner join tblcourse c  on c.courseid = oc.courseid  where s.studentid = 1 -- 조회할 교육생\_ID  ;  --4. 강의중인 과정의 교육생 정보 출력  select s.studentName as 교육생이름  , studentResidentNumberBack as 주민번호뒷자리  , studentPhoneNumber as 전화번호  , studentRegistrationDate as 등록일  from tblstudent s  inner join tblopenedcourse oc  on s.studentCourseId = oc.openedcourseid  inner join tblClassroom cr  on cr.classroomid = oc.classroomid  inner join tblteacher t  on oc.teacherid = t.teacherid  inner join tblAdmin a  on a.adminmanagerid = oc.adminmanagerid  inner join tblcourse c  on c.courseid = oc.courseid  where sysdate between openedStartDate and openedCompletionDate  ;  --5. 강의 예정인 과정의 교육생 정보 출력  select s.studentName as 교육생이름  , studentResidentNumberBack as 주민번호뒷자리  , studentPhoneNumber as 전화번호  , studentRegistrationDate as 등록일  from tblstudent s  inner join tblopenedcourse oc  on s.studentCourseId = oc.openedcourseid  inner join tblClassroom cr  on cr.classroomid = oc.classroomid  inner join tblteacher t  on oc.teacherid = t.teacherid  inner join tblAdmin a  on a.adminmanagerid = oc.adminmanagerid  inner join tblcourse c  on c.courseid = oc.courseid  where sysdate < openedStartDate  ;  --5. 강의 종료된 과정의 교육생 정보 출력  select s.studentName as 교육생이름  , studentResidentNumberBack as 주민번호뒷자리  , studentPhoneNumber as 전화번호  , studentRegistrationDate as 등록일  from tblstudent s  inner join tblopenedcourse oc  on s.studentCourseId = oc.openedcourseid  inner join tblClassroom cr  on cr.classroomid = oc.classroomid  inner join tblteacher t  on oc.teacherid = t.teacherid  inner join tblAdmin a  on a.adminmanagerid = oc.adminmanagerid  inner join tblcourse c  on c.courseid = oc.courseid  where sysdate > oc.openedCompletionDate  ;  --6. 교육생 수정  update tblstudent  set studentName = '홍길동'  , studentResidentNumberBack ='1111111'  , studentPhoneNumber = '010-5180-1258'  , studentRegistrationDate = '2024-04-07'  where studentId = 1  ;  --7. 수료 및 중도 탈락 처리  --7.1. 수료 처리  update tblstudent  set studentCompletionStatus = '수료완료'  where studentId = 1  ;  --7.1. 중도 탈락 처리  update tblstudent  set studentCompletionStatus = '중도포기'  where studentId = 310  INSERT INTO tblGiveup VALUES (310, '2025-05-27', '학습 난이도'); | | | |