**3조 테이블 정의서**

**기초 테이블**

| 테이블명 | | tblSubject | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 과목정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 기초정보\_과목 테이블 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | subject\_seq | | | VARCHAR2(10) | NN | PK |  | SUB+(숫자3자리) | 과목 번호, EX) SUB001 |
| 2 | name | | | VARCHAR2(300) | NN |  |  | 문자열 300byte 이내 | 과목 이름 |
| 3 | type | | | VARCHAR2(10) | NN |  |  | 공통 OR 선택 | 과목 분류 |
| DDL | | | | | | | | | |
| CREATE TABLE tblSubject (  subject\_seq VARCHAR2(10) NOT NULL,  name VARCHAR2(300) NOT NULL,  type VARCHAR2(10) NOT NULL  );  ALTER TABLE tblSubject ADD CONSTRAINT PK\_TBLSUBJECT PRIMARY KEY (  subject\_seq  );  ALTER TABLE tblSubject ADD CONSTRAINT CK\_tblSubject\_type CHECK (type in (‘공통’, ‘선택’)); | | | | | | | | | |

| 테이블명 | | tblTextbook | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 교재정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 기초정보\_교재 테이블 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | textbook\_seq | | | VARCHAR2(10) | NN | PK |  | B+(숫자3자리) | 교재번호, EX) B001 |
| 2 | name | | | VARCHAR2(300) | NN |  |  | 문자열 300byte 이내 | 교재명 |
| 3 | publisher | | | VARCHAR2(100) | NN |  |  | 문자열 100byte 이내 | 출판사 |
| DDL | | | | | | | | | |
| CREATE TABLE tblTextbook (  textbook\_seq VARCHAR2(10) NOT NULL,  name VARCHAR2(300) NOT NULL,  publisher VARCHAR2(100) NOT NULL  );  ALTER TABLE tblTextbook ADD CONSTRAINT PK\_TBLTEXTBOOK PRIMARY KEY (  textbook\_seq  ); | | | | | | | | | |

| 테이블명 | | tblCourse | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 과정 정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 기초정보인 과정 정보 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | course\_seq | | | VARCHAR2(10) | NN | PK |  | L+(숫자3자리) | 과정정의 번호, EX) L001 |
| 2 | name | | | VARCHAR2(300) | NN |  |  | 문자열 300byte 이내 | 과정명 |
| 3 | goal | | | VARCHAR2(300) | Null |  |  | 문자열 300byte 이내 | 과정 목표 |
| 4 | detail | | | VARCHAR2(300) | Null |  |  | 문자열 300byte 이내 | 과정 설명 |
| DDL | | | | | | | | | |
| CREATE TABLE tblCourse (  course\_seq VARCHAR2(10) NOT NULL,  name VARCHAR2(300) NOT NULL,  goal VARCHAR2(300) NULL,  detail VARCHAR2(300) NULL  );  ALTER TABLE tblCourse ADD CONSTRAINT PK\_TBLCOURSE PRIMARY KEY (  course\_seq  ); | | | | | | | | | |
|  | | | | | | | | | |

| 테이블명 | | tblTeacher | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 교사정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 기초정보\_교사 테이블 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | teacher\_seq | | | VARCHAR2(10) | NN | PK |  | T+(숫자3자리) | 교사번호 EX) T001 |
| 2 | name | | | VARCHAR2(15) | NN |  |  | 한글 3~5자이내 | 교사이름 |
| 3 | IDCard\_number | | | VARCHAR2(10) | NN |  |  | 문자열(숫자 7자리) | 주민번호 뒷자리 |
| 4 | tel | | | VARCHAR2(15) | NULL |  |  | ‘-’포함 문자열(숫자13자리) | 전화번호 EX) 010-1234-5678 |
| DDL | | | | | | | | | |
| CREATE TABLE tblTeacher (  teacher\_seq VARCHAR2(10) NOT NULL,  name VARCHAR2(15) NOT NULL,  IDcard\_number VARCHAR2 NOT NULL,  tel VARCHAR2 NULL  );  ALTER TABLE tblTeacher ADD CONSTRAINT PK\_TBLTEACHER PRIMARY KEY (  teacher\_seq  ); | | | | | | | | | |

| 테이블명 | | tblClassroom | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 강의실 정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 기초정보인 강의실 정보 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | classroom\_seq | | | VARCHAR2(10) | NN | PK |  | R+(숫자3자리) | 강의실 번호 EX) R001 |
| 2 | name | | | VARCHAR2(20) | NN |  |  | 숫자+문자열 | 강의실명 EX)1강의실 |
| 3 | capacity | | | NUMBER | NN |  |  | 1,2,3 강의실 - 30 4,5,6 강의실 - 26 | 정원 |
| DDL | | | | | | | | | |
| CREATE TABLE tblClassroom (  classroom\_seq VARCHAR2(10) NOT NULL,  name VARCHAR2(20) NOT NULL,  capacity NUMBER NOT NULL  );  ALTER TABLE tblClassroom ADD CONSTRAINT PK\_TBLCLASSROOM PRIMARY KEY (  classroom\_seq  ); | | | | | | | | | |

| 테이블명 | | tblTeacherSubject | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 교사 강의가능 과목 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 교사별 강의 가능 과목 테이블 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | subject\_seq | | | VARCHAR2(10) | NN | PK, FK |  | SUB+(숫자3자리) | 과목번호 EX)SUB01 |
| 2 | teacher\_seq | | | VARCHAR2(10) | NN | PK, FK |  | T+(숫자3자리) | 교사번호 EX)T001 |
| DDL | | | | | | | | | |
| CREATE TABLE tblTeacherSubject (  subject\_seq VARCHAR2(10) NOT NULL,  teacher\_seq VARCHAR2(10) NOT NULL  );  ALTER TABLE tblTeacherSubject ADD CONSTRAINT PK\_TBLTEACHERSUBJECT PRIMARY KEY (  subject\_seq,  teacher\_seq  );  ALTER TABLE tblTeacherSubject ADD CONSTRAINT FK\_tblSubject\_TO\_tblTeacherSubject\_1 FOREIGN KEY (  subject\_seq  )  REFERENCES tblSubject (  subject\_seq  );  ALTER TABLE tblTeacherSubject ADD CONSTRAINT FK\_tblTeacher\_TO\_tblTeacherSubject\_1 FOREIGN KEY (  teacher\_seq  )  REFERENCES tblTeacher (  teacher\_seq  ); | | | | | | | | | |

**과정, 과목 관련 테이블**

| 테이블명 | | tblOpenCourse | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 개설과정정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 개설된 교육과정 정보 테이블 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | open\_course\_seq | | | VARCHAR2(20) | NN | PK |  | OL+(숫자3자리) | 개강과정번호 EX)OL001 |
| 2 | course\_seq | | | VARCHAR2(10) | NN | FK |  | L+(숫자3자리) | 과정정의 번호, EX) L001 |
| 3 | course\_start\_date | | | DATE | NULL |  |  | YYYY-MM-DD | 과정 시작일 |
| 4 | course\_end\_date | | | DATE | NULL |  |  | YYYY-MM-DD | 과정 종료일 |
| 5 | reg\_open\_subject | | | CHAR(1) | NN |  |  | Y or N | 개설과목 등록 여부 |
| 6 | course\_progress | | | VARCHAR2(20) | NN |  |  | 강의예정 or 강의중 or 강의종료 or 폐강 | 과정 진행 여부 |
| 7 | classroom\_seq | | | VARCHAR2(10) | NN | FK |  | R+(숫자3자리) | 강의실 번호 EX) R001 |
| DDL | | | | | | | | | |
| CREATE TABLE tblOpenCourse (  open\_course\_seq VARCHAR2(20) NOT NULL,  course\_start\_date DATE NULL,  course\_end\_date DATE NULL,  reg\_open\_subject CHAR(1) NOT NULL,  course\_progress VARCHAR2(20) NOT NULL,  classroom\_seq VARCHAR2(10) NOT NULL,  course\_seq VARCHAR2(10) NOT NULL  );  ALTER TABLE tblOpenCourse ADD CONSTRAINT PK\_TBLOPENCOURSE PRIMARY KEY (  open\_course\_seq  );  ALTER TABLE tblOpenCourse ADD CONSTRAINT FK\_tblClassroom\_TO\_tblOpenCourse\_1 FOREIGN KEY (  classroom\_seq  )  REFERENCES tblClassroom (  classroom\_seq  );  ALTER TABLE tblOpenCourse ADD CONSTRAINT FK\_tblCourse\_TO\_tblOpenCourse\_1 FOREIGN KEY (  course\_seq  )  REFERENCES tblCourse (  course\_seq  );  ALTER TABLE tblOpenCourse ADD CONSTRAINT CK\_tblOpenCourse\_reg\_open\_subject CHECK(reg\_open\_subject IN(‘Y’, ‘N’));  ALTER TABLE tblOpenCourse ADD CONSTRAINT CK\_tblOpenCourse\_course\_progress CHECK(course\_progress IN(‘강의예정’, ‘강의중’, ‘강의종료’, ‘폐강’)); | | | | | | | | | |

| 테이블명 | | tblRegister | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 수강정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 수강 테이블 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | student\_seq | | | VARCHAR2(10) | NN | PK, FK |  | S+(숫자4자리) | 교육생번호 EX)S0001 |
| 2 | open\_course\_seq | | | VARCHAR2(20) | NN | PK, FK |  | OL+(숫자3자리) | 개강과정번호 EX)OL001 |
| 3 | completion\_status | | | CHAR(1) | NULL |  |  | Y or N | 수료여부 |
| 4 | completion\_date | | | DATE | NULL |  |  | YYYY-MM-DD | 수료날짜 |
| 5 | dropout\_date | | | DATE | NULL |  |  | YYYY-MM-DD | 중도탈락날짜 |
| 6 | evalution\_score | | | NUMBER | NULL |  |  | 0~100 | 평가점수 - 과목 평균으로 산출 |
| DDL | | | | | | | | | |
| CREATE TABLE tblRegister (  student\_seq VARCHAR2(10) NOT NULL,  open\_course\_seq VARCHAR2(20) NOT NULL,  completion\_status CHAR(1) NULL,  completion\_date DATE NULL,  dropout\_date DATE NULL,  evalution\_score NUMBER NULL  );  ALTER TABLE tblRegister ADD CONSTRAINT PK\_TBLREGISTER PRIMARY KEY (  student\_seq,  open\_course\_seq  );  ALTER TABLE tblRegister ADD CONSTRAINT FK\_tblStudent\_TO\_tblRegister\_1 FOREIGN KEY (  student\_seq  )  REFERENCES tblStudent (  student\_seq  );  ALTER TABLE tblRegister ADD CONSTRAINT FK\_tblOpenCourse\_TO\_tblRegister\_1 FOREIGN KEY (  open\_course\_seq  )  REFERENCES tblOpenCourse (  open\_course\_seq  );  ALTER TABLE tblRegister ADD CONSTRAINT CK\_tblRegister\_completion\_status CHECK (completion\_status in (‘Y’, ‘N’)); | | | | | | | | | |

| 테이블명 | | tblOpenSubject | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 개설과목 정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 개설과목별 관련정보 테이블 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | open\_subject\_seq | | | VARCHAR2(10) | NN | PK |  | OS+(숫자3자리) | 개설과목번호, EX) OS001 |
| 2 | subject\_seq | | | VARCHAR2(10) | NN | FK |  | SUB+(숫자3자리) | 과목 번호, EX) SUB001 |
| 3 | teacher\_seq | | | VARCHAR2(10) | NN | FK |  | T+(숫자3자리) | 교사번호 EX) T001 |
| 4 | textbook\_seq | | | VARCHAR2(10) | NN | FK |  | B+(숫자3자리) | 교재번호, EX) B001 |
| 5 | subject\_start\_date | | | DATE | NN |  |  | YYYY-MM-DD | 과목 시작일 |
| 6 | subject\_end\_date | | | DATE | NN |  |  | YYYY-MM-DD | 과목 종료일 |
| 7 | subject\_progress | | | VARCHAR2(15) | NN |  |  | 강의예정, 강의중, 강의종료, 폐강 | 강의진행여부 |
| 8 | score\_check | | | CHAR(1) | NN |  |  | Y or N | 성적등록여부 |
| 9 | testfile\_check | | | CHAR(1) | NN |  |  | Y or N | 시험문제파일등록여부 |
| 10 | attendance\_distribution | | | NUMBER | NULL |  |  | 최소 20 %이상 | 배점(출결) |
| 11 | written\_distribution | | | NUMBER | NULL |  |  | 출결 + 필기 + 실기 합 100% | 배점(필기) |
| 12 | practical\_distribution | | | NUMBER | NULL |  |  | 출결 + 필기 + 실기 합 100% | 배점(실기) |
| 13 | open\_course\_seq | | | VARCHAR2(20) | NN | FK |  | OL+(숫자3자리) | 개강과정번호 EX)OL001 |
| DDL | | | | | | | | | |
| CREATE TABLE tblOpenSubject (  open\_subject\_seq VARCHAR2(10) NOT NULL,  subject\_seq VARCHAR2(10) NOT NULL,  teacher\_seq VARCHAR2(10) NOT NULL,  textbook\_seq VARCHAR2(10) NOT NULL,  subject\_start\_date DATE NOT NULL,  subject\_end\_date DATE NOT NULL,  subject\_in\_progress VARCHAR2(15) NOT NULL,  score\_check CHAR(1) NOT NULL,  testfile\_check CHAR(1) NOT NULL,  attendance\_distribution NUMBER NULL,  written\_distribution NUMBER NULL,  practical\_distribution NUMBER NULL,  open\_course\_seq VARCHAR2(20) NOT NULL  );  ALTER TABLE tblOpenSubject ADD CONSTRAINT PK\_TBLOPENSUBJECT PRIMARY KEY (  open\_subject\_seq  );  ALTER TABLE tblOpenSubject ADD CONSTRAINT FK\_tblSubject\_TO\_tblOpenSubject\_1 FOREIGN KEY (  subject\_seq  )  REFERENCES tblSubject (  subject\_seq  );  ALTER TABLE tblOpenSubject ADD CONSTRAINT FK\_tblTeacher\_TO\_tblOpenSubject\_1 FOREIGN KEY (  teacher\_seq  )  REFERENCES tblTeacher (  teacher\_seq  );  ALTER TABLE tblOpenSubject ADD CONSTRAINT FK\_tblTextbook\_TO\_tblOpenSubject\_1 FOREIGN KEY (  textbook\_seq  )  REFERENCES tblTextbook (  textbook\_seq  );  ALTER TABLE tblOpenSubject ADD CONSTRAINT FK\_tblOpenCourse\_TO\_tblOpenSubject\_1 FOREIGN KEY (  open\_course\_seq  )  REFERENCES tblOpenCourse (  open\_course\_seq  );  ALTER TABLE tblOpenSubject ADD CONSTRAINT CK\_tblOpenSubject\_score\_check CHECK (score\_check in (‘Y’, ‘N’));  ALTER TABLE tblOpenSubject ADD CONSTRAINT CK\_tblOpenSubject\_testfile\_check CHECK (testfile\_check in (‘Y’, ‘N’));  ALTER TABLE tblOpenSubject ADD CONSTRAINT CK\_tblOpenSubject\_subject\_progress CHECK (subject\_progress in (‘강의예정’, ‘강의중’, ‘강의종료’, ‘폐강’)); | | | | | | | | | |

**시험 관련 테이블**

| 테이블명 | | tblTest | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 시험정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 유형별 시험의 날짜를 확인 할 수 있다. | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | test\_seq | | | VARCHAR2(10) | NN | PK |  | TEST+(숫자 4자리) | 시험번호, EX) TEST0001 |
| 2 | test\_date | | | DATE | NULL |  |  | YYYY-MM-DD | 시험날짜 |
| 3 | type | | | VARCHAR2(10) | NN |  |  | 필기 or 실기 | 시험유형 |
| 4 | open\_subject\_seq | | | VARCHAR2(10) | NN | FK |  | OS+(숫자3자리) | 개설과목번호, EX) OS001 |
| DDL | | | | | | | | | |
| CREATE TABLE tblTest (  test\_seq VARCHAR2(10) NOT NULL,  test\_date DATE NULL,  type VARCHAR2(10) NOT NULL,  open\_subject\_seq VARCHAR2(10) NOT NULL  );  ALTER TABLE tblTest ADD CONSTRAINT PK\_TBLTEST PRIMARY KEY (  test\_seq  );  ALTER TABLE tblTest ADD CONSTRAINT FK\_tblOpenSubject\_TO\_tblTest\_1 FOREIGN KEY (  open\_subject\_seq  )  REFERENCES tblOpenSubject (  open\_subject\_seq  );  ALTER TABLE tblTest ADD CONSTRAINT CK\_tblTest\_type CHECK type in (‘필기’, ‘실기’)); | | | | | | | | | |

| 테이블명 | | tblTestResult | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 시험결과정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 유형별 시험의 결과를 확인 할 수 있다. | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | student\_seq | | | VARCHAR2(10) | NN | PK |  | S+(숫자4자리) | 교육생번호 |
| 2 | test\_seq | | | VARCHAR2(10) | NN | PK, FK |  | TEST+(숫자 4자리) | 시험번호, EX) TEST0001 |
| 3 | score | | | NUMBER | NN |  |  | 0~100 | 시험점수 |
| 4 | open\_course\_seq | | | VARCHAR2(20) | NN | FK |  | OL+(숫자3자리) | 개강과정번호 EX)OL001 |
| DDL | | | | | | | | | |
| CREATE TABLE tblTestResult (  student\_seq VARCHAR2(10) NOT NULL,  test\_seq VARCHAR2(10) NOT NULL,  score NUMBER NOT NULL,  open\_course\_seq VARCHAR2(20) NOT NULL  );  ALTER TABLE tblTestResult ADD CONSTRAINT PK\_TBLTESTRESULT PRIMARY KEY (  student\_seq,  test\_seq  );  ALTER TABLE tblTestResult ADD CONSTRAINT FK\_tblTest\_TO\_tblTestResult\_1 FOREIGN KEY (  test\_seq  )  REFERENCES tblTest (  test\_seq  );  ALTER TABLE tblTestResult ADD CONSTRAINT FK\_tblRegister\_TO\_tblTestResult\_1 FOREIGN KEY (  open\_course\_seq,, student\_seq  )  REFERENCES tblRegister (  open\_course\_seq, student\_seq  );  ALTER TABLE tblTestResult ADD CONSTRAINT CK\_tblTestResult\_score CHECK (score >= 0 and score <= 100); | | | | | | | | | |

| 테이블명 | | tblScoreInfo | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 성적정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 교육생 별 성적 정보를 확인할 수 있다. | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | student\_seq | | | VARCHAR2(10) | NN | PK, FK |  | S+(숫자4자리) | 교육생 번호 EX)S0001 |
| 2 | open\_subject\_seq | | | VARCHAR2(10) | NN | PK, FK |  | OS+(숫자3자리) | 개설과목번호, EX) OS001 |
| 3 | open\_course\_seq | | | VARCHAR2(20) | NN | FK |  | OL+(숫자3자리) | 개강과정번호 EX)OL001 |
| 4 | attendance\_score | | | NUMBER | NULL |  |  | 출결배점 - 결석 횟수 | 출결점수 |
| 5 | written\_score | | | NUMBER | NULL |  |  | 필기시험점수 \* 필기배점 | 필기점수 |
| 6 | practical\_score | | | NUMBER | NULL |  |  | 실기시험점수 \* 실기배점 | 실기점수 |
| 7 | subject\_score | | | NUMBER | NULL |  |  | 총점 | 과목점수 |
| DDL | | | | | | | | | |
| CREATE TABLE tblScoreInfo (  student\_seq VARCHAR2(10) NOT NULL,  opensubject\_seq VARCHAR2(10) NOT NULL,  open\_course\_seq VARCHAR2(20) NOT NULL,  attendance\_score NUMBER NULL,  written\_score NUMBER NULL,  practical\_score NUMBER NULL,  subject\_score NUMBER NULL  );  ALTER TABLE tblScoreInfo ADD CONSTRAINT PK\_TBLSCOREINFO PRIMARY KEY (  student\_seq,  opensubject\_seq  );  ALTER TABLE tblScoreInfo ADD CONSTRAINT FK\_tblOpenSubject\_TO\_tblScoreInfo\_1 FOREIGN KEY (  opensubject\_seq  )  REFERENCES tblOpenSubject (  open\_subject\_seq  );  ALTER TABLE tblScoreInfo ADD CONSTRAINT FK\_tblRegister\_TO\_tblScoreInfo\_1 FOREIGN KEY (  open\_course\_seq,, student\_seq  )  REFERENCES tblRegister (  open\_course\_seq, student\_seq  ); | | | | | | | | | |

**교육생 관련 테이블**

| 테이블명 | | tblStudent | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 교육생정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 등록된 교육생 정보 테이블 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | student\_seq | | | VARCHAR2(10) | NN | PK |  | S+(숫자4자리) | 교육생 번호 EX)S0001 |
| 2 | name | | | VARCHAR2(15) | NN |  |  | 한글 3~5자이내 | 이름 |
| 3 | IDcard\_number | | | VARCHAR2(10) | NN |  |  | 문자열(숫자 7자리) | 주민번호 뒷자리 |
| 4 | tel | | | VARCHAR2(15) | NN |  |  | ‘-’포함 문자열(숫자13자리) | 전화번호 |
| 5 | registration\_date | | | DATE | NN |  | sysdate | YYYY-MM-DD | 등록일 |
| DDL | | | | | | | | | |
| CREATE TABLE tblStudent (  student\_seq VARCHAR2(10) NOT NULL,  name VARCHAR2(15) NOT NULL,  IDcard\_number VARCHAR2(10) NOT NULL,  tel VARCHAR2(15) NOT NULL,  registration\_date DATE NOT NULL  );  ALTER TABLE tblStudent ADD CONSTRAINT PK\_TBLSTUDENT PRIMARY KEY (  student\_seq  ); | | | | | | | | | |

| 테이블명 | | tblSupportSystem | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 지원제도 해당여부 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 지원제도가 해당되는지 여부정보 테이블 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | student\_seq | | | VARCHAR2(10) | NN | PK, FK |  | S+(숫자4자리) | 교육생 번호 EX)S0001 |
| 2 | open\_course\_seq | | | VARCHAR2(20) | NN | PK, FK |  | OL+(숫자3자리) | 개강과정번호 EX)OL001 |
| 3 | training\_insentive | | | CHAR(1) | NN |  |  | Y or N | 내일배움 훈련장려금 |
| 4 | employee\_support | | | CHAR(1) | NN |  |  | Y or N | 국민취업 지원제도 |
| DDL | | | | | | | | | |
| CREATE TABLE tblSupportSystem (  student\_seq VARCHAR2(10) NOT NULL,  open\_course\_seq VARCHAR2(20) NOT NULL,  training\_insentive CHAR(1) NOT NULL,  employee\_support CHAR(1) NOT NULL  );  ALTER TABLE tblSupportSystem ADD CONSTRAINT PK\_TBLSUPPORTSYSTEM PRIMARY KEY (  student\_seq,  open\_course\_seq  );  ALTER TABLE tblSupportSystem ADD CONSTRAINT FK\_tblRegister\_TO\_tblSupportSystem\_1 FOREIGN KEY (  student\_seq  )  REFERENCES tblRegister (  student\_seq  );  ALTER TABLE tblSupportSystem ADD CONSTRAINT FK\_tblRegister\_TO\_tblSupportSystem\_2 FOREIGN KEY (  open\_course\_seq  )  REFERENCES tblRegister (  open\_course\_seq  );  ALTER TABLE tblSupportSystem ADD CONSTRAINT CK\_tblSupportSystem\_training\_insentive CHECK(  training\_insentive IN(‘Y’, ‘N’)  );  ALTER TABLE tblSupportSystem ADD CONSTRAINT CK\_tblSupportSystem\_employee\_support CHECK(  employee\_support IN(‘Y’, ‘N’)  ); | | | | | | | | | |

| 테이블명 | | tblLicense | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 자격증정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 자격증 정보 테이블 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | license\_seq | | | VARCHAR2(10) | NN | PK |  | SP+(숫자3자리) | 자격증 번호 EX)SP001 |
| 2 | name | | | VARCHAR2(100) | NN |  |  | 문자열 100byte 이내 | 자격증명 |
| DDL | | | | | | | | | |
| CREATE TABLE tblLicense (  license\_seq VARCHAR2(10) NOT NULL,  name VARCHAR2(100) NOT NULL  );  ALTER TABLE tblLicense ADD CONSTRAINT PK\_TBLLICENSE PRIMARY KEY (  license\_seq  ); | | | | | | | | | |

| 테이블명 | | tblStudentLicense | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 교육생 자격증 현황 정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 교육생이 보유하고 있는 자격증 테이블 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | student\_seq | | | VARCHAR2(10) | NN | PK, FK |  | S+(숫자4자리) | 교육생 번호 EX)S0001 |
| 2 | license\_seq | | | VARCHAR2(10) | NN | PK, FK |  | SP+(숫자3자리) | 자격증 번호 EX)SP001 |
| 3 | registration\_date | | | DATE | NN |  |  | YYYY-MM-DD | 자격증 취득일 |
| DDL | | | | | | | | | |
| CREATE TABLE tblStudentLicense (  student\_seq VARCHAR2(10) NOT NULL,  license\_seq VARCHAR2(10) NOT NULL,  registration\_date DATE NOT NULL  );  ALTER TABLE tblStudentLicense ADD CONSTRAINT PK\_TBLSTUDENTLICENSE PRIMARY KEY (  student\_seq,  license\_seq  );  ALTER TABLE tblStudentLicense ADD CONSTRAINT FK\_tblStudent\_TO\_tblStudentLicense\_1 FOREIGN KEY (  student\_seq  )  REFERENCES tblStudent (  student\_seq  );  ALTER TABLE tblStudentLicense ADD CONSTRAINT FK\_tblLicense\_TO\_tblStudentLicense\_1 FOREIGN KEY (  license\_seq  )  REFERENCES tblLicense (  license\_seq  ); | | | | | | | | | |

| 테이블명 | | tblGetGift | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 기념품수령정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 기념품수령정보 테이블 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | get\_gift\_seq | | | VARCHAR2(10) | NN | PK |  | GG + (숫자4자리) | 수령번호 EX) GG0001 |
| 2 | get\_date | | | DATE | NN |  |  | YYYY-MM-DD | 수령날짜 |
| 3 | gift\_seq | | | VARCHAR2(10) | NN | FK |  | GIFT+(숫자2자리) | 기념품번호 EX) GIFT01 |
| 4 | student\_seq | | | VARCHAR2(10) | NN | FK |  | S+(숫자4자리) | 교육생 번호 EX) S0001 |
| 5 | open\_course\_seq | | | VARCHAR2(20) | NN | FK |  | OL+(숫자3자리) | 개강과정번호 EX)OL001 |
| DDL | | | | | | | | | |
| CREATE TABLE tblGetGift (  get\_gift\_seq VARCHAR2(10) NOT NULL,  get\_date DATE NOT NULL,  gift\_seq VARCHAR2(10) NOT NULL,  student\_seq VARCHAR2(10) NOT NULL,  open\_course\_seq VARCHAR2(20) NOT NULL  );  ALTER TABLE tblGetGift ADD CONSTRAINT PK\_TBLGETGIFT PRIMARY KEY (  get\_gift\_seq  ); | | | | | | | | | |

| 테이블명 | | tblGift | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 기념품정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 기념품정보 테이블 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | gift\_seq | | | VARCHAR2(10) | NN | PK |  | GIFT+(숫자2자리) | 기념품번호 EX) GIFT01 |
| 2 | name | | | VARCHAR2(300) | NN |  |  | 문자열 300byte 이내 | 기념품명 |
| 3 | price | | | NUMBER | NN |  |  |  | 가격 |
| DDL | | | | | | | | | |
| CREATE TABLE tblGift (  gift\_seq VARCHAR2(10) NOT NULL,  name VARCHAR2(300) NOT NULL,  price NUMBER NOT NULL  );  ALTER TABLE tblGift ADD CONSTRAINT PK\_TBLGIFT PRIMARY KEY (  gift\_seq  ); | | | | | | | | | |

| 테이블명 | | tblDayAttendance | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 일일 출결 정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 일일 출결 테이블 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | day\_attendance\_date | | | DATE | NN | PK |  | YYYY-MM-DD | 날짜 |
| 2 | time | | | DATE | NN | PK |  | HH24:MM:SS | 시간 EX) 09:01:55 |
| 3 | student\_seq | | | VARCHAR2(10) | NN | PK, FK |  | S+(숫자4자리) | 교육생 번호 |
| 4 | open\_course\_seq | | | VARCHAR2(20) | NN | PK, FK |  | OL+(숫자3자리) | 개강과정번호 EX)OL001 |
| 5 | is\_attendance | | | VARCHAR2(10) | NULL |  |  | 출근 or 퇴근 | 출퇴근여부 |
| DDL | | | | | | | | | |
| CREATE TABLE tblDayAttendance (  day\_attendance\_date DATE NOT NULL,  time DATE NOT NULL,  student\_seq VARCHAR2(10) NOT NULL,  open\_course\_seq VARCHAR2(20) NOT NULL,  is\_attendance VARCHAR2(10) NULL  );  ALTER TABLE tblDayAttendance ADD CONSTRAINT PK\_TBLDAYATTENDANCE PRIMARY KEY (  day\_attendance\_date,  time,  student\_seq,  open\_course\_seq  );  ALTER TABLE tblDayAttendance ADD CONSTRAINT FK\_tblRegister\_TO\_tblDayAttendance\_1 FOREIGN KEY (  student\_seq, open\_course\_seq  )  REFERENCES tblRegister (  student\_seq, open\_course\_seq  );  ALTER TABLE tblDayAttendance ADD CONSTRAINT CK\_tblDayAttendance\_is\_attendance CHECK(  is\_attendance IN(‘출근’, ‘퇴근’)  ); | | | | | | | | | |

| 테이블명 | | tblAttendance | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 출결 정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 교육생의 근태 확인 가능한 테이블 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | attendance\_date | | | DATE | NN | PK |  | YYYY-MM-DD | 날짜 |
| 2 | student\_seq | | | VARCHAR2(10) | NN | PK, FK |  | S+(숫자4자리) | 교육생 번호 |
| 3 | open\_course\_seq | | | VARCHAR2(20) | NN | PK, FK |  | OL+(숫자3자리) | 개강과정번호 EX)OL001 |
| 4 | attendance\_type\_seq | | | VARCHAR2(10) | NN | FK |  | TA+(숫자2자리) | 근태번호 EX) TA01 |
| DDL | | | | | | | | | |
| CREATE TABLE tblAttendance (  attendance\_date DATE NOT NULL,  student\_seq VARCHAR2(10) NOT NULL,  open\_course\_seq VARCHAR2(20) NOT NULL,  attendance\_type\_seq VARCHAR2(10) NOT NULL  );  ALTER TABLE tblAttendance ADD CONSTRAINT PK\_TBLATTENDANCE PRIMARY KEY (  attendance\_date,  student\_seq,  open\_course\_seq  );  ALTER TABLE tblAttendance ADD CONSTRAINT FK\_tblRegister\_TO\_tblAttendance FOREIGN KEY (  student\_seq, open\_course\_seq  )  REFERENCES tblRegister (  student\_seq, open\_course\_seq  ); | | | | | | | | | |

| 테이블명 | | tblAttendanceType | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 근태 유형 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 출결의 근태 유형을 분류한 테이블 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | attendance\_type\_seq | | | VARCHAR2(10) | NN | PK |  | TA+(숫자2자리) | 근태번호 EX) TA01 |
| 2 | attendance\_type | | | VARCHAR2(10) | NN |  |  | 정상, 지각, 조퇴, 외출, 병가, 기타 | 근태 상황 분류 |
| DDL | | | | | | | | | |
| CREATE TABLE tblAttendanceType (  attendance\_type\_seq VARCHAR2(10) NOT NULL,  attendance\_type VARCHAR2(10) NOT NULL  );  ALTER TABLE tblAttendanceType ADD CONSTRAINT PK\_TBLATTENDANCETYPE PRIMARY KEY (  attendance\_type\_seq  );  ALTER TABLE tblAttendanceType ADD CONSTRAINT CK\_tblAttendanceType\_attendance\_type CHECK (  attendance\_type in (‘정상’, ‘지각’, ’조퇴’, ’외출’, ’병가’, ’기타’)  ); | | | | | | | | | |

**추가요구사항 테이블(구직, 채용)**

| 테이블명 | | tblCompany | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 구인의뢰 기업정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 구인의뢰를 요청한 기업의 정보 테이블 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | company\_seq | | | VARCHAR2(10) | NN | PK |  | COM+(숫자4자리) | 기업번호 |
| 2 | name | | | VARCHAR2(200) | NN |  |  | 문자 200byte이내 | 업체명 |
| 3 | business\_number | | | VARCHAR2(20) | NN |  |  | ‘-’포함 12자리 숫자 | 업체 사업자번호 EX)000-00-0000 |
| 4 | postcode | | | NUMBER | NN |  |  | 5자리 숫자 | 업체 우편번호 |
| 5 | address | | | VARCHAR2(200) | NN |  |  | 문자 200byte이내 | 업체 주소 |
| 6 | tel | | | VARCHAR2(15) | NN |  |  | ‘-’포함 문자열(숫자13자리) | 업체 대표전화 |
| DDL | | | | | | | | | |
| CREATE TABLE tblCompany (  company\_seq VARCHAR2(10) NOT NULL,  name VARCHAR2(200) NOT NULL,  business\_number VARCHAR2(20) NOT NULL,  postcode NUMBER NOT NULL,  address VARCHAR2(200) NOT NULL,  tel VARCHAR2(15) NOT NULL  );  ALTER TABLE tblCompany ADD CONSTRAINT PK\_TBLCOMPANY PRIMARY KEY (  company\_seq  ); | | | | | | | | | |

| 테이블명 | | tblJobPosting | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 채용모집분야정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 구인의뢰를 요청한 기업의 채용모집 공고 정보 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | recruiter\_seq | | | VARCHAR2(10) | NN | PK |  | RE+(숫자4자리) | 모집 번호 EX)RE0001 |
| 2 | company\_seq | | | VARCHAR2(10) | NN | FK |  | COM+(숫자4자리) | 기업번호 |
| 3 | work\_place | | | VARCHAR2(50) | NN |  |  | 도, 시, 구, 군 단위 | 근무지 EX) 서울특별시 강남구 |
| 4 | salary | | | NUMBER | NN |  |  | 숫자 4자리(만원) | 연봉 |
| 5 | education\_level | | | VARCHAR2(10) | NN |  |  | 한글 3자 이내 | 학력 EX) 초대졸 |
| 6 | employee\_number | | | NUMBER | NN |  |  |  | 채용인원 |
| 7 | start\_date | | | DATE | NN |  |  | YYYY-MM-DD | 채용시작날짜 |
| 8 | end\_date | | | DATE | NN |  |  | YYYY-MM-DD | 채용종료날짜 |
| 9 | state | | | VARCHAR2(20) | NN |  |  | 완료 or 진행중 or 채용예정 | 채용상태 |
| 10 | task\_seq | | | VARCHAR2(10) | NN | FK |  | TASK+(숫자3자리) | 직무번호(담당업무) EX) TASK001 |
| DDL | | | | | | | | | |
| CREATE TABLE tblJobPosting (  recruiter\_seq VARCHAR2(10) NOT NULL,  company\_seq VARCHAR2(10) NOT NULL,  work\_place VARCHAR2(50) NOT NULL,  salary NUMBER NOT NULL,  education\_level VARCHAR2(10) NOT NULL,  employee\_number NUMBER NOT NULL,  start\_date DATE NOT NULL,  end\_date DATE NOT NULL,  state VARCHAR2(20) NOT NULL,  task\_seq VARCHAR2(10) NOT NULL  );  ALTER TABLE tblJobPosting ADD CONSTRAINT PK\_TBLJOBPOSTING PRIMARY KEY (  recruiter\_seq  );  ALTER TABLE tblJobPosting ADD CONSTRAINT FK\_tblCompany\_TO\_tblJobPosting\_1 FOREIGN KEY (  company\_seq  )  REFERENCES tblCompany (  company\_seq  );  ALTER TABLE tblJobPosting ADD CONSTRAINT FK\_tblTask\_TO\_tblJobPosting\_1 FOREIGN KEY (  task\_seq  )  REFERENCES tblTask (  task\_seq  );  ALTER TABLE tblJopPosting ADD CONSTRAINT CK\_tblJobPosting\_state CHECK (  state IN (‘완료’, ‘진행중’, ‘채용예정’)  ); | | | | | | | | | |

| 테이블명 | | tblRecruiter | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 채용담당자 정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 구인의뢰를 요청한 기업의 채용담당자 정보 테이블 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | recruiter\_seq | | | VARCHAR2(10) | NN | PK, FK |  | RE+(숫자4자리) | 모집번호 EX) RE0001 |
| 2 | name | | | VARCHAR2(30) | NN |  |  | 문자 30byte이내 | 이름 |
| 3 | position | | | VARCHAR2(50) | NULL |  | 인사담당자 | 문자 50byte이내 | 직위 |
| 4 | tel | | | VARCHAR2(15) | NN |  |  | ‘-’포함 문자열(숫자13자리) | 연락처 |
| 5 | email | | | VARCHAR2(100) | NN |  |  | 이메일 형식  문자 100byte이내 | 이메일 |
| DDL | | | | | | | | | |
| CREATE TABLE tblRecruiter (  recruiter\_seq VARCHAR2(10) NOT NULL,  name VARCHAR2(30) NOT NULL,  position VARCHAR2(50) DEFAULT 인사담당자 NULL,  tel VARCHAR2(15) NOT NULL,  email VARCHAR2(100) NOT NULL  );  ALTER TABLE tblRecruiter ADD CONSTRAINT PK\_TBLRECRUITER PRIMARY KEY (  recruiter\_seq  );  ALTER TABLE tblRecruiter ADD CONSTRAINT FK\_tblJobPosting\_TO\_tblRecruiter\_1 FOREIGN KEY (  recruiter\_seq  )  REFERENCES tblJobPosting (  recruiter\_seq  ); | | | | | | | | | |

| 테이블명 | | tblTask | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 직무정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 채용모집분야의 직무를 정리한 테이블 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | task\_seq | | | VARCHAR2(10) | NN | PK |  | TASK+(숫자3자리) | 직무번호 |
| 2 | name | | | VARCHAR2(100) | NN |  |  | 문자 100byte이내 | 직무명 |
| DDL | | | | | | | | | |
| CREATE TABLE tblTask (  task\_seq VARCHAR2(10) NOT NULL,  name VARCHAR2(100) NOT NULL  );  ALTER TABLE tblTask ADD CONSTRAINT PK\_TBLTASK PRIMARY KEY (  task\_seq  ); | | | | | | | | | |

| 테이블명 | | tblJobSeeker | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 구직자정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 구직자 정보 테이블 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | student\_seq | | | VARCHAR2(10) | NN | PK, FK |  | S+(숫자4자리) | 교육생 번호 EX) S0001 |
| 2 | open\_course\_seq | | | VARCHAR2(20) | NN | PK, FK |  | OL+(숫자3자리) | 개강과정번호 EX)OL001 |
| 3 | desired\_place | | | VARCHAR2(50) | NN |  |  | 시, 구 단위 | 희망근무지 EX) 서울특별시 강남구 |
| 4 | max\_salary | | | NUMBER(5) | NN |  |  | 숫자 4자리 | 희망연봉(최소) |
| 5 | min\_salary | | | NUMBER(5) | NN |  |  | 숫자 4자리 | 희망연봉(최대) |
| 6 | academic | | | VARCHAR2(10) | NN |  |  | 한글 3자 이내 | 학력 EX) 초대졸 |
| 7 | employment\_state | | | CHAR(1) | NN |  |  | Y OR N | 취업여부 |
| 8 | employment\_date | | | DATE | NULL |  |  | YYYY-MM-DD | 취업날짜 |
| 9 | recruiter\_seq | | | VARCHAR2(10) | NN | FK |  | RE + (숫자4자리) | 모집 번호 (희망) |
| 10 | task\_seq | | | VARCHAR2(10) | NN | FK |  | TASK + (숫자3자리) | 직무번호(희망) EX) TASK001 |
| DDL | | | | | | | | | |
| CREATE TABLE tblJobSeeker (  student\_seq VARCHAR2(10) NOT NULL,  open\_course\_seq VARCHAR2(20) NOT NULL,  desired\_place VARCHAR2(50) NOT NULL,  max\_salary NUMBER NOT NULL,  min\_salary NUMBER NOT NULL,  academic VARCHAR2(10) NOT NULL,  employment\_state CHAR(1) NOT NULL,  employment\_date DATE NULL,  recruiter\_seq VARCHAR2(10) NOT NULL,  task\_seq VARCHAR2(10) NOT NULL  );  ALTER TABLE tblJobSeeker ADD CONSTRAINT PK\_TBLJOBSEEKER PRIMARY KEY (  student\_seq,  open\_course\_seq  );  ALTER TABLE tblJobSeeker ADD CONSTRAINT FK\_tblRegister\_TO\_tblJobSeeker\_1 FOREIGN KEY (  student\_seq, open\_course\_seq  )  REFERENCES tblRegister (  student\_seq, open\_course\_seq  );  ALTER TABLE tblJobSeeker ADD CONSTRAINT FK\_tblJobPosting\_TO\_tblJobSeeker\_1 FOREIGN KEY (  recruiter\_seq  )  REFERENCES tblJobPosting (  recruiter\_seq  );  ALTER TABLE tblJobSeeker ADD CONSTRAINT FK\_tblTask\_TO\_tblJobSeeker\_1 FOREIGN KEY (  task\_seq  )  REFERENCES tblTask (  task\_seq  );  ALTER TABLE tblJobSeeker ADD CONSTRAINT CK\_tblJobSeeker\_employment\_state CHECK(  employment\_state IN ('Y','N')  ); | | | | | | | | | |

**관리자 테이블**

| 테이블명 | | tblManager | | | | | 작성일 | | 2021-11-29 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | | 관리자정보 | | | | | 작성자 | | 3조 |
| 테이블 설명 | | | 관리자정보 테이블 | | | | | | |
| No | Attribute | | | DataType | NN | Key | Default | Domain | Description |
| 1 | manager\_seq | | | VARCHAR2(10) | NN | PK |  | A+(숫자 3자리) | 관리자번호 EX) A001 |
| 2 | id | | | VARCHAR2(20) | NN |  |  | 문자열(영문자+숫자 조합) 4~10자 이내 | 아이디 |
| 3 | pw | | | VARCHAR2(40) | NN |  |  | 문자열(영문자+숫자 조합) 8~20자 이내 | 비밀번호 |
| DDL | | | | | | | | | |
| CREATE TABLE tblManager (  manager\_seq VARCHAR2(10) NOT NULL,  id VARCHAR2(20) NOT NULL,  pw VARCHAR2(40) NOT NULL  );  ALTER TABLE tblManager ADD CONSTRAINT PK\_TBLMANAGER PRIMARY KEY (  manager\_seq  ); | | | | | | | | | |