SQL Code

CATEGORY table

```
CREATE TABLE  "CATEGORY"
   (  "CATEGORY_ID" NUMBER(6,0) NOT NULL ENABLE,
       "CATEGORY_NAME" VARCHAR2(50) NOT NULL ENABLE,
        CONSTRAINT "CATEGORY_PK" PRIMARY KEY ("CATEGORY_ID")
  USING INDEX  ENABLE
   )
/
```

COURSE table

```
CREATE TABLE  "COURSE"
   (  "COURSE_ID" NUMBER(6,0) NOT NULL ENABLE,
       "COURSE_NAME" VARCHAR2(50) NOT NULL ENABLE,
       "COURSE_LEVEL" VARCHAR2(20),
       "COURSE_DESCRIPTION" VARCHAR2(500),
       "ORGANIZATION_ID" NUMBER(6,0),
       "CATEGORY_ID" NUMBER(6,0),
        CONSTRAINT "COURSE_PK" PRIMARY KEY ("COURSE_ID")
  USING INDEX  ENABLE
   )
/
ALTER TABLE  "COURSE" ADD CONSTRAINT "COURSE_CAT_FK" FOREIGN KEY ("CATEGORY_ID")
        REFERENCES  "CATEGORY" ("CATEGORY_ID") ENABLE
/
ALTER TABLE  "COURSE" ADD CONSTRAINT "COURSE_ORG_FK" FOREIGN KEY ("ORGANIZATION_ID")
        REFERENCES  "ORGANIZATION" ("ORGANIZATION_ID") ENABLE
/
```

ENROLL table

```
CREATE TABLE  "ENROLL"
   (  "USER_ID" NUMBER(6,0) NOT NULL ENABLE,
       "COURSE_ID" NUMBER(6,0) NOT NULL ENABLE,
        CONSTRAINT "ENROLL_PK" PRIMARY KEY ("USER_ID", "COURSE_ID")
  USING INDEX  ENABLE
   )
/
ALTER TABLE  "ENROLL" ADD CONSTRAINT "ENROLL_COURSE_FK" FOREIGN KEY ("COURSE_ID")
        REFERENCES  "COURSE" ("COURSE_ID") ENABLE
/
ALTER TABLE  "ENROLL" ADD CONSTRAINT "ENROLL_USER_FK" FOREIGN KEY ("USER_ID")
        REFERENCES  "USERS" ("USER_ID") ENABLE
/
```

GRADE table

```
CREATE TABLE  "GRADE"
   (  "USER_ID" NUMBER(6,0) NOT NULL ENABLE,
       "COURSE_ID" NUMBER(6,0) NOT NULL ENABLE,
       "SCORE" NUMBER(*,0),
        CONSTRAINT "GRADE_PK" PRIMARY KEY ("USER_ID", "COURSE_ID")
  USING INDEX  ENABLE
    )
/
ALTER TABLE  "GRADE" ADD CONSTRAINT "GRADE_FK_COURSE" FOREIGN KEY ("COURSE_ID")
        REFERENCES  "COURSE" ("COURSE_ID") ENABLE
/
ALTER TABLE  "GRADE" ADD CONSTRAINT "GRADE_FK_USER" FOREIGN KEY ("USER_ID")
        REFERENCES  "USERS" ("USER_ID") ENABLE
/
```

INSTRUCTOR table

```
CREATE TABLE  "INSTRUCTOR"
   (  "INSTRUCTOR_ID" NUMBER(6,0) NOT NULL ENABLE,
       "INSTRUCTOR_FNAME" VARCHAR2(20) NOT NULL ENABLE,
       "INSTRUCTOR_LNAME" VARCHAR2(20) NOT NULL ENABLE,
       "INSTRUCTOR_CONTACT" VARCHAR2(30),
       "ORGANIZATION_ID" NUMBER(6,0),
        CONSTRAINT "INSTRUCTOR_PK" PRIMARY KEY ("INSTRUCTOR_ID")
  USING INDEX  ENABLE
    )
/
ALTER TABLE  "INSTRUCTOR" ADD CONSTRAINT "INSTRUCTOR_ORG_FK" FOREIGN KEY
("ORGANIZATION_ID")
        REFERENCES  "ORGANIZATION" ("ORGANIZATION_ID") ENABLE
/
```

LANGUAGE table

```
CREATE TABLE  "LANGUAGE"
   (  "LANGUAGE_ID" NUMBER(6,0) NOT NULL ENABLE,
       "LANGUAGE_NAME" VARCHAR2(30),
        CONSTRAINT "LANGUAGE_PK" PRIMARY KEY ("LANGUAGE_ID")
  USING INDEX  ENABLE
    )
/
```

MATERIAL table

```
CREATE TABLE  "MATERIAL"
   (  "MATERIAL_ID" NUMBER(6,0) NOT NULL ENABLE,
       "MATERIAL_NAME" VARCHAR2(100) NOT NULL ENABLE,
```

```
      "MATERIAL_DESCRIPTION" VARCHAR2(500),
      "COURSE_ID" NUMBER(6,0) NOT NULL ENABLE,
       CONSTRAINT "MATERIAL_PK" PRIMARY KEY ("MATERIAL_ID")
  USING INDEX  ENABLE
    )
/
ALTER TABLE  "MATERIAL" ADD CONSTRAINT "MATERIAL_COURSE_FK" FOREIGN KEY ("COURSE_ID")
        REFERENCES  "COURSE" ("COURSE_ID") ENABLE
/
```

ORGANIZATION table

```
CREATE TABLE  "ORGANIZATION"
   (  "ORGANIZATION_ID" NUMBER(6,0) NOT NULL ENABLE,
      "ORGANIZATION_NAME" VARCHAR2(50) NOT NULL ENABLE,
       CONSTRAINT "ORGANIZATION_PK" PRIMARY KEY ("ORGANIZATION_ID")
  USING INDEX  ENABLE
    )
/
```

TEACH table

```
CREATE TABLE  "TEACH"
   (  "INSTRUCTOR_ID" NUMBER(6,0) NOT NULL ENABLE,
      "COURSE_ID" NUMBER(6,0) NOT NULL ENABLE,
       CONSTRAINT "TEACH_PK" PRIMARY KEY ("INSTRUCTOR_ID", "COURSE_ID")
  USING INDEX  ENABLE
    )
/
ALTER TABLE  "TEACH" ADD CONSTRAINT "TEACH_COURSE_FK" FOREIGN KEY ("COURSE_ID")
        REFERENCES  "COURSE" ("COURSE_ID") ENABLE
/
ALTER TABLE  "TEACH" ADD CONSTRAINT "TEACH_INST_FK" FOREIGN KEY ("INSTRUCTOR_ID")
        REFERENCES  "INSTRUCTOR" ("INSTRUCTOR_ID") ENABLE
/
```

TIMEZONE table

```
CREATE TABLE  "TIMEZONE"
   (  "TIMEZONE_ID" NUMBER(6,0) NOT NULL ENABLE,
      "TIMEZONE_NAME" VARCHAR2(50) NOT NULL ENABLE,
       CONSTRAINT "TIMEZONE_PK" PRIMARY KEY ("TIMEZONE_ID")
  USING INDEX  ENABLE
    )
/
```

USERS table

```
CREATE TABLE  "USERS"
    (   "USER_ID" NUMBER(6,0) NOT NULL ENABLE,
        "USER_FNAME" VARCHAR2(20) NOT NULL ENABLE,
        "USER_LNAME" VARCHAR2(20) NOT NULL ENABLE,
        "USER_AGE" NUMBER(3,0),
        "USER_EMAIL" VARCHAR2(30) NOT NULL ENABLE,
        "USER_PASSWORD" VARCHAR2(30) NOT NULL ENABLE,
        "CATEGORY_ID" NUMBER(6,0),
        "LANGUAGE_ID" NUMBER(6,0),
        "TIMEZONE_ID" NUMBER(6,0),
        "ORGANIZATION_ID" NUMBER(6,0),
         CONSTRAINT "USER_PK" PRIMARY KEY ("USER_ID")
  USING INDEX  ENABLE
    )
/
ALTER TABLE  "USERS" ADD CONSTRAINT "USERS_FK_LANGUAGE" FOREIGN KEY ("LANGUAGE_ID")
        REFERENCES  "LANGUAGE" ("LANGUAGE_ID") ENABLE
/
ALTER TABLE  "USERS" ADD CONSTRAINT "USERS_FK_ORGANIZATION" FOREIGN KEY
("ORGANIZATION_ID")
        REFERENCES  "ORGANIZATION" ("ORGANIZATION_ID") ENABLE
/
ALTER TABLE  "USERS" ADD CONSTRAINT "USERS_FK_TIMEZONE" FOREIGN KEY ("TIMEZONE_ID")
        REFERENCES  "TIMEZONE" ("TIMEZONE_ID") ENABLE
/
ALTER TABLE  "USERS" ADD CONSTRAINT "USER_CAT_FK" FOREIGN KEY ("CATEGORY_ID")
        REFERENCES  "CATEGORY" ("CATEGORY_ID") ENABLE
/
```