

### **PRACTICE ASSIGNMENT 6-3:**

```
CREATE TABLE Students ( student_id NUMBER PRIMARY KEY,first_name  
VARCHAR2(50) NOT NULL, last_name VARCHAR2(50) NOT NULL,date_of_birth DATE  
NOT NULL, email VARCHAR2(100) UNIQUE NOT NULL);
```

```
CREATE TABLE Courses (course_id NUMBER PRIMARY KEY,course_name  
VARCHAR2(100) NOT NULL,department VARCHAR2(50) NOT NULL);
```

```
CREATE TABLE Enrollments (enrollment_id NUMBER PRIMARY KEY,student_id  
NUMBER,course_id NUMBER,enrollment_date DATE NOT NULL, FOREIGN KEY  
(student_id) REFERENCES Students(student_id), FOREIGN KEY (course_id)  
REFERENCES Courses(course_id) );
```

```
CREATE TABLE Faculty ( faculty_id NUMBER PRIMARY KEY, first_name  
VARCHAR2(50) NOT NULL,last_name VARCHAR2(50) NOT NULL,hire_date DATE  
NOT NULL, email VARCHAR2(100) UNIQUE NOT NULL );
```

```
CREATE TABLE faculty_Departments (department_id VARCHAR2(10) PRIMARY  
KEY,department_name VARCHAR2(100) NOT NULL);
```

```
CREATE TABLE Teaching_Assignments (assignment_id NUMBER PRIMARY KEY,  
faculty_id NUMBER,course_id NUMBER,semester VARCHAR2(20) NOT NULL, year  
NUMBER NOT NULL,FOREIGN KEY (faculty_id) REFERENCES Faculty(faculty_id),  
FOREIGN KEY (course_id) REFERENCES Courses(course_id));
```

```
CREATE TABLE Grades (grade_id NUMBER PRIMARY KEY,enrollment_id NUMBER,  
course_id NUMBER,student_id NUMBER,grade_letter VARCHAR2(2) NOT  
NULL,FOREIGN KEY (enrollment_id) REFERENCES  
Enrollments(enrollment_id),FOREIGN KEY (course_id) REFERENCES  
Courses(course_id), FOREIGN KEY (student_id) REFERENCES Students(student_id));
```

```
CREATE TABLE AD_COURSES (COURSE_ID INT ,COURSE_NAME VARCHAR(255)  
);
```

```
CREATE TABLE AD_DEPARTMENTS (EPARTMENT_ID INT ,DEPARTMENT_NAME  
VARCHAR(255) );
```

```
CREATE TABLE AD_STUDENTS ( STUDENT_ID INT ,STUDENT_EMAIL  
VARCHAR(255));
```

```
CREATE TABLE AD_FACULTY (FACULTY_ID INT ,FACULTY_EMAIL  
VARCHAR(255));
```

```
CREATE TABLE AD_ACADEMIC_SESSIONS (SESSION_ID INT ,SESSION_NAME  
VARCHAR(255));
```

```
ALTER TABLE AD_COURSES ADD CONSTRAINT course_pk PRIMARY KEY  
(COURSE_ID);
```

```
ALTER TABLE AD_COURSES ADD CONSTRAINT course_name_uk UNIQUE  
(COURSE_NAME);
```

```
ALTER TABLE AD_DEPARTMENTS ADD CONSTRAINT PK_AD_DEPARTMENTS  
PRIMARY KEY (EPARTMENT_ID);
```

```
ALTER TABLE AD_DEPARTMENTS ADD CONSTRAINT  
UNQ_DEPARTMENT_NAME UNIQUE (DEPARTMENT_NAME);
```

```
ALTER TABLE AD_STUDENTS ADD CONSTRAINT PK_AD_STUDENTS PRIMARY  
KEY (STUDENT_ID);
```

```
ALTER TABLE AD_STUDENTS ADD CONSTRAINT UNQ_STUDENT_EMAIL  
UNIQUE (STUDENT_EMAIL);
```

```
ALTER TABLE AD_FACULTY ADD CONSTRAINT PK_AD_FACULTY PRIMARY KEY  
(FACULTY_ID);
```

```
ALTER TABLE AD_FACULTY ADD CONSTRAINT UNQ_FACULTY_EMAIL UNIQUE  
(FACULTY_EMAIL);
```

```
ALTER TABLE AD_ACADEMIC_SESSIONS ADD CONSTRAINT  
PK_AD_ACADEMIC_SESSIONS PRIMARY KEY (SESSION_ID);
```

```
ALTER TABLE AD_ACADEMIC_SESSIONS ADD CONSTRAINT  
UNQ_SESSION_NAME UNIQUE (SESSION_NAME);
```

```
CREATE TABLE AD_FACULTY_LOGIN_DETAILS(LOGIN_DATE_TIME  
TIMESTAMP);
```

```
ALTER TABLE AD_FACULTY_LOGIN_DETAILS MODIFY LOGIN_DATE_TIME SET  
DEFAULT SYSDATE;
```

```
CREATE TABLE AD_PARENT_INFORMATION(NAME VARCHAR2(20),PHONE_NO  
INT); ALTER TABLE AD_PARENT_INFORMATION READ ONLY;
```

```
CREATE TABLE DEPTT (dept_id NUMBER(8),dept_name VARCHAR2(30),loc_id  
NUMBER(4),CONSTRAINT dept_pk PRIMARY KEY (dept_id, loc_id ));
```