```
/* CreateCourse */

--Enter run command here

CREATE OR REPLACE TYPE address_type AS OBJECT (
street          VARCHAR2(25),
city            VARCHAR2(25),
country         VARCHAR2(20) )
/

CREATE TABLE addresses OF address_type;

CREATE TABLE students (
student_id              NUMBER(6),
student_firstname   VARCHAR2(20)        NOT NULL,
student_surname         VARCHAR2(20)    NOT NULL,
address                     REF address_type SCOPE IS addresses,
phone_number        VARCHAR2(15),
fax_number          VARCHAR2(15),
gender              CHAR,
date_of_birth           DATE,
description         VARCHAR2(250),
preferred_language  VARCHAR2(2),
voucher             CHAR,
company_id              NUMBER(6));


CREATE TABLE instructors (
instructor_id   NUMBER(6),
instructor_name VARCHAR2(15)    NOT NULL,
address             REF address_type SCOPE IS addresses,
salary          NUMBER(10,2),
commission      NUMBER(10,2),
mentor_id       NUMBER(6),
date_hired      DATE,
profile         CLOB);

CREATE TABLE courses (
course_id       NUMBER(6),
title           VARCHAR2(30),
duration        NUMBER(6),
cost            NUMBER(10,2),
subject_id      NUMBER(6),
brochure            BFILE);

CREATE TABLE subject_areas (
subject_id      NUMBER(6),
subject_name    VARCHAR2(30));

CREATE TABLE offerings (
offering_id     NUMBER(6),
course_id       NUMBER(6)       NOT NULL,
site_id         NUMBER(6)       NOT NULL,
instructor_id   NUMBER(6),
start_date      DATE,
max_no_students NUMBER(6));
```

```
CREATE TYPE classroom_type AS OBJECT(
room_number VARCHAR2(4),
capacity NUMBER(6),
description VARCHAR2(200));
/

CREATE TYPE classroom_varray_type AS VARRAY(50) OF classroom_type;
/

CREATE TABLE sites (
site_id         NUMBER(6),
address                 address_type,
classroom               classroom_varray_type,
location        VARCHAR2(12));

CREATE TABLE attendance (
offering_id     NUMBER(6),
student_id      NUMBER(6)        NOT NULL,
start_date              DATE,
evaluation      NUMBER(6,2),
amount_paid     NUMBER(10,2));

CREATE OR REPLACE TYPE invoice_item_type AS OBJECT(
student_surname         VARCHAR2(15),
course_title            VARCHAR2(30),
start_date                      DATE,
end_date                        DATE,
amount                          NUMBER(10,2));
/

CREATE TYPE invoice_item_table_type AS TABLE OF invoice_item_type;
/

CREATE TABLE invoices(
invoice_number  NUMBER(6),
company_id              NUMBER(6) NOT NULL,
billing_date    DATE NOT NULL,
due_date                DATE,
invoice_item    invoice_item_table_type)
NESTED TABLE invoice_item STORE AS invoice_item_table;
```