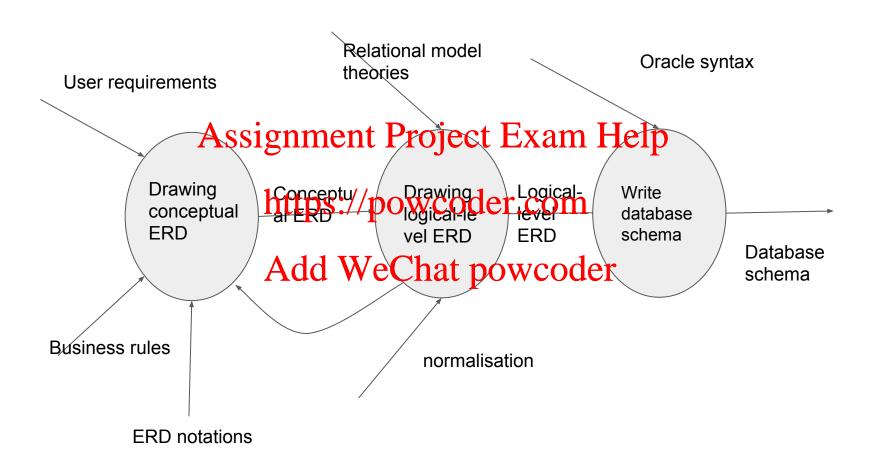
# Assignment Project Exam Help Add WeChat powcoder

# Data Definition Language https://powcoder.com

Add WeChat powcoder Website: mars.mu

Session Name: BTLG5M

### Assignment Project Exam Help Add WeChat powcoder



### Assignment Project Exam Help SQLvgeneral syntax

- A single statement is ended with SEMICOLON.
- Predefined KEYWORDs represent clauses (components) of a statement.
- Keywords are NOT case sensitive.
- Examples: Add WeChat powcoder

# Assignment Project Exam Help ASQUEStatements

- Creating database structure.
- CREATE TABLE, ALTER TABLE, DROP TABLE
   Assignment Project Exam Help
   Adding and Manipulating database contents
- Adding and Manipulating database contents (rows).

  https://powcoder.com
  - INSERT, UP PART WOELET FOW coder
- Retrieving data from database
  - SELECT

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#### **CREATING TABLES**

#### CREATE TABLE AT doe No eChat powcoder

```
stu nbr
                  NUMBER
                                         NOT NULL,
        stud_Iname VARCHAR2(50)
                                         NOT NULL,
                      VARCHAR2(50)
        stud fname
                                         NOT NULL,
        stu dob
                       DATE
                                         NOT NULL,
        CONSTRAINT STUDENT PK PRIMARY KEY (stu_nbr)
Assignment Project Exam Help
);
```

What relational model not pone post was defined in the above create table statement?

### Add WeChat powcoder Relation, Attribute, Domain

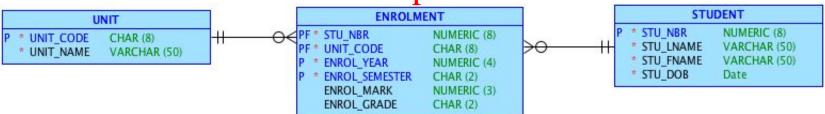
- a.
- b. Primary Key
- Foreign Key
- Referential Integrity constraint
- All of the options in a-d are correct.
- Some of the options in a-d are correct.

#### Assignment Project Exam Help Column VS Table Level Constraints Add WeChat powcoder



```
CREATE
TABLE student
               Assignment Project Exam Help
 stu nbr NUMBER(8)
                     NOT NULL.
 stu_Iname VARCHAR(50) NOT NULL//powcoder.com
 stu dob DATE
                     NOT NULL.
 CONSTRAINT pk_student party estudent powcoder
CREATE
TABLE unit
 unit code CHAR(7) NOT NULL,
 unit name VARCHAR(50) NOT NULL CONSTRAINT ug unit name UNIQUE,
 CONSTRAINT pk unit PRIMARY KEY (unit code)
);
```

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How many foreign to the project of the period of the perio

a. 1. https://powcoder.com

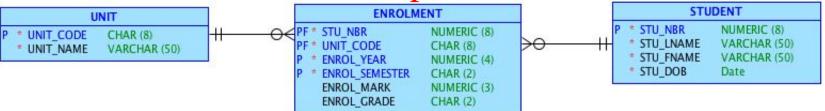
b. 2.

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d. 4.

During discussion, name the attribute(s) that will be assigned as FK and what table(s) would it "link"?

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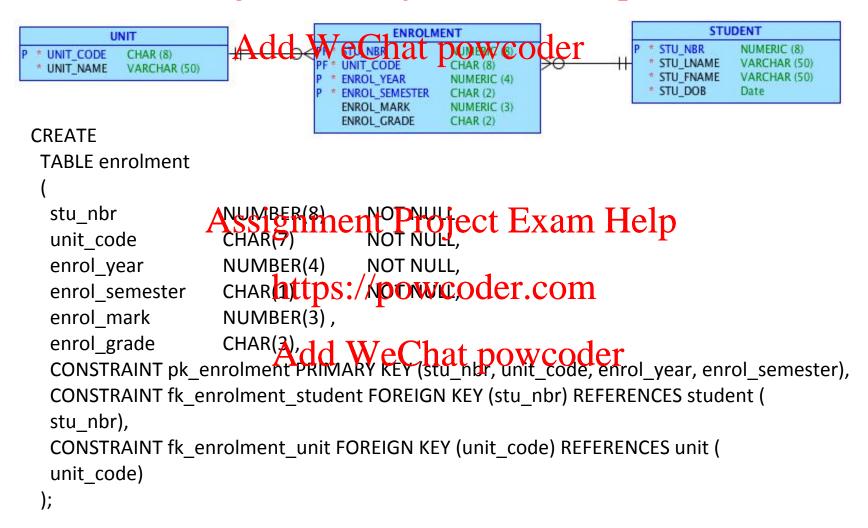


#### Assignment Project Exam Help

What would be the order of the CREATE TABLE statements in the schema script to successfull putating partial part of the above diagram? (assuming that we will define the FK as part of the create table statement)

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- a. UNIT, ENROLMENT, STUDENT
- b. ENROLMENT, STUDENT, UNIT
- c. STUDENT, UNIT, ENROLMENT
- d. UNIT, STUDENT, ENROLMENT
- e. More than one option is correct.



#### Assignmentative jeeth Edxx ide friegr Ks

#### Add WeChat powcoder

```
CREATE
 TABLE enrolment
  stu nbr
                    NUMBER(8)
                                    NOT NULL,
  unit code
                    CHAR(7)
                                    NOT NULL,
                    NUMBER(4) NOT NULL, CASSIGNMENT Project Exam Help
  enrol year
  enrol_semester
                    NUMBER(3),
  mark
 grade CHAR(3) ttps://powcoder.com
CONSTRAINT pk_enrolment PRIMARY KEP (Stu_nbr, unit_code, enrol_year, enrol_semester)
 );
                            Add WeChat powcoder
ALTER TABLE enrolment
  ADD
      ( CONSTRAINT fk enrolment student FOREIGN KEY (stu nbr)
      REFERENCES student (stu nbr),
      CONSTRAINT fk enrolment unit FOREIGN KEY (unit code) REFERENCES unit (
      unit code)
      );
```

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It is used to change table structure. For example:

- Adding column(s).
- Removing column(s).
- Adding constraint(s).
- Removing constraint(s)

#### Assignment Project Exam Help

# Assignment Project Exam Help AGENETIAN GWEGGERLE

- Use the DROP statement.
- Examples: Assignment Project Exam Help
  - DROP TABLE enrolment PURGE; https://powcoder.com
  - DROP TABLE student CASCADE
     CONSTRAINTS PURGE;

### Notes on Greating Database Schema in Oracle

 Put Alstingmænte Parbjecttaffæmentseihte a single SQL script file.

• Create antiner BOY ser of file ontaining the DROP table statements.
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# Assignment Project Exam Help Add WeChat powcoder

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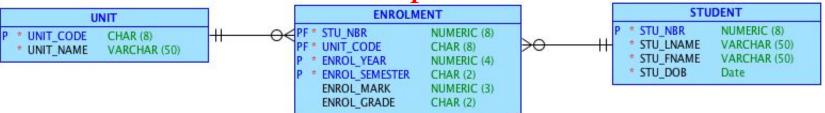
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#### ADDING TUPLES/ROWS TO TABLE

### Assignment Project Exam Help Add Wechas powcoder

- Adding data to a table in database.
- SYNTAX: Assignment Project Exam Help INSERT INTO table [(column [, column...])] VALUES (value /, value .../): Add WeChat powcoder INSERT INTO unit VALUES ('FIT1004','Database'); **INSERT INTO student VALUES** (112233,'Indrawan-Santiago','Maria','01-Jan-1995

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#### Assignment Project Exam Help

Assume the tables have been created and there is no data currently in the tables. In what order should we participated to the compared to the

- a. UNIT- > STUDENT -> EARDOM WE Chat powcoder
- b. ENROLMENT -> UNIT -> STUDENT
- c. STUDENT -> UNIT -> ENROLMENT
- d. More than one option is correct.

### Assignment Project Exam Help COMMUTand RQLLBACK

INSERT INTO enrolment VALUES (112233, 'FIT1004',1,2012,45,'N'); INSERT INTO enrolment VALUES (112233, 'FIT1001',1,2012,80,'HD'); COMMIT;

#### Assignment Project Exam Help

COMMIT makes the changes to the database permanent.

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ROLLBACK will undo the changes.

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### Using a SEQUENCE

- Oracle supports auto-increment of a numeric PRIMARY KEY.
  - SEQUENCE.
- Steps to use:
   Create sequence

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```
CREATE SEQUENCE sno seq INCREMENT BUTPS://powcoder.com
```

- Access the sequence using two built-in variables (pseudocolumna)dd WeChat powcoder
  - NEXTVAL and CURRVAL

```
    INSERT INTO student

  VALUES(sno seq.nextval, 'Bond', 'James', '01-Jan-1994');
- INSERT INTO enrolment
  VALUES(sno seq.currval,'FIT1004',...');
```

Two new Autobigs and creat Phrojecot details medito to added, James Bond wants to enrol in FIT1004 and FIT1001, Bruce Lee only wants to enrol in FIT1004. The sequence to specification of the sequence to separate the sequence of the sequen

```
-- Add two students
INSERT INTO student VALUES (sno_seq.nextval,'Bond','James','01-Jan-1994');
INSERT INTO student VALUES (sno_seq.nextval,'Lee','Bruce','01-Feb-1994');
-- Add the enrolments.
INSERT INTO enrolment VALUES (sno_seq.currval,1,2012,'FIT1004',0,'NA');
INSERT INTO enrolment VALUES (sno_seq.currval,1,2012,'FIT1001',0,'NA');
INSERT INTO enrolment VALUES (sno_seq.currval,1,2012,'FIT1004',0,'NA');
COMMIT;
```

Add WeChat powcoder What is/are the problem(s) with the use of SEQUENCE in the above SQL script?

- a. There will be an error message. It states that a violation of primary key constraint in the ENROLMENT has occurred.
- b. Bruce Lee will be enrolled in FIT1001.
- There will be NO enrolment record for James Bond.
- d. All of the options a-c are problems that will be caused by the script.
- e. Some of the options in a-c are problems that will be caused by the script.
- f. There will be no problem caused by the script.

# Assignment Project Exam Help Add weether Project Exam Help

- CREATE TABLE statements
  - PK, FK, data type and constraints Assignment Project Exam Help
- INSERT statements. https://powcoder.com
  - Sequence

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