

Assignments Project 2 Exam Help

https://prowationleangeaga (Insert, Update, Delete)

Add WeChat powcoder



Data Manipulation Language (DML)

Assignment Project Exam Help

https://powcoder.com

UPDATE

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SELECT



Data Manipulation Language – Insert, Update, Delete

Assing remember of the property of the state of the state

```
[(attribute_name,...,attribute_name)]
VALUES (yalue,...,value),...,(value,...,value);
```

The trought statement successful modify attribute values of breior more selected tuples.

WHERE selection_condition]; t provided the

The DELETE statement is used to remove tuples from a relation.

```
DELETE FROM table_name
    [WHERE selection_condition];
```



Insert - Examples

Assignments Prenjos to Examinatelp

```
INSERT INTO STUDENT (456, Peter Covery 20/02/1991, 'peter Chotmail.com');

INSERT INTO STUDENT (Name, StudentID, DoB, Email)

ACC (Tom', 456, '25/01/1988', 'tom@gmail.com'),

VALUES (456, 'Tom', '25/01/1988', 'tom@gmail.com');

INSERT INTO STUDENT

VALUES (456, 'Tom', '25/01/1988', 'tom@gmail.com');

INSERT INTO STUDENT

VALUES (458, 'Peter', '20/02/1991', 'peter@hotmail.com');
```



Insert - Primary Key Violation

Assignment de Peltingest with xame y Help Student ID:

htt	StudentID	Name	DoB	Email	
	DS458/	Dester V	25/01/1988 V2/02/1991	peter@hotman.com	

- What would happen if we in the larger to possible of the larger than the large
- DBMSs will not allow two tuples with the same primary key value in STUDENT.



Insert - Foreign Key Violation

Assignmentally be relational STIDENT and ENROL will he foreign key Help

	StudentID		Name	DoB	Email	
1 44	456 / /		Tom	25/01/1988	tom@gmail.com	
ntt	C 458	1	Feth	20/02/1991	eter@homal.com	
	459	J	Fran	11/09/1987	frankk@gmair.com	

• If we only have the above three tuples in STUDENT, can we add the following fuple into WROL Chat powcoder

INSERT INTO ENROL (StudentID, CourseNo, Semester, Status)

VALUES (460, 'COMP2400', '2016 S2', 'active');

 Again, DBMSs will not allow a tuple in ENROL which has a student ID not appearing in any tuples of STUDENT due to the foreign key [StudentID]⊆ STUDENT[StudentID] on ENROL.



Update and Delete - Examples

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UPDATE STUDENT

SET Name='Tom Lee', Email='tom.lee@yahoo.com'

WHERE Student ID=456;

If vertal to Slete to proportion of the flat of Supert, we use

DELETE FROM STUDENT WHERE StudentID=456;

• We can delete all the tuples in the relation STUDENT by using

Question: What is the difference between the above statement and the following one?

DROP Table STUDENT;

 Answer: The table Student (empty) exists after the first statement, but would disappear if applying the second one.



Update and Delete - Referential Actions

Assiegrandiensteif What Open Citas Et Xi ann Tup Lathelp referenced tuples (via foreign key constraints).

- SQL offers the following possibilities:
 - https://defalt/ will throw and the true delete a row (or update the primary key value) referenced.

 - SET DEFAULT will force the corresponding values in the referencing tuples to be set to a specified default value.



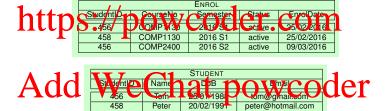
Referential Actions – Foreign Key

```
CREATE TABLE STUDENT
     (Project Exam Help
      DoB Date,
      Email VARCHAR(100));
     TO SHAR (20 RMW REO der. Com
CREATE TABLE COURSE.
      Unit SMALLINT):
CREATE TABLE ENROL
        THE CHART POWCODER
      Semester VARCHAR(50),
      Status VARCHAR(50),
      FOREIGN KEY(StudentID) REFERENCES STUDENT(StudentID)
      ON DELETE NO ACTION,
      FOREIGN KEY(CourseNo) REFERENCES Course(No)):
```



Referential Actions - Examples

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 The deletion of a student who has enrolled at least one course will throw out an error concerning the foreign key.



Referential Actions - Examples

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 Deleting a student in STUDENT will also delete all of his enrolled courses in ENROL. We would have ENROL below after deleting the student 456.

StudentID	<u>CourseNo</u>	<u>Semester</u>	Status	EnrolDate
458	COMP1130	2016 S1	active	25/02/2016