

程序代写代做 CS编程辅导



Data Manipulation Language (Insertigupdate; Delete)

Email: tutorcs@163.com

QQ: 749389476

https://tutorcs.com



程序代写代做 CS编程辅导 Data Manipulation Language (DML)

Data Manipulation Like

...

• INSERT WeChat: cstutorcs

Assignment Project Exam Help

UPDATE

Email: tutorcs@163.com

• DELETE QQ: 749389476

• SELECT https://tutorcs.com



程序代写代做 CS编程辅导 Data Manipulation Language – Insert, Update, Delete

The INSERT stateme and a relation.

```
INSERT INTO talter in the control of the control of
```

 The UPDATE statement is used to modify attribute values of one or more selected tuples.
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```
UPDATE table_nemail: tutorcs@163.com

SET attribute_name = value,...,attribute_name = value
[WHERE selection@ond19389476
```

• The DELETE statementispuse of to remove tuples from a relation.

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



程序代写代做 CS编程辅导 Insert - Examples

The following three virial are equivalent.

```
INSERT INTO STUDENT

VALUES (456 Verbat; 655 467 688', 'tom@gmail.com'),

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

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

VALUES ('Tomman 56 tutes of 1688 comtom@gmail.com'),

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

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INSERT INTO STUDENT

VALUES (456 ttprom'tutors of 1988', 'tom@gmail.com');
INSERT INTO STUDENT

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



程序代写代做 CS编程辅导 Insert - Primary Key Violation

Suppose that we have a property on StudentID:

St

StudentID	Name	DoB Email	
456 W	eGhat:	625/6494988	tom@gmail.com
458	Peter	20/02/1991	peter@hotmail.com
As	ssignm	ent Project	Exam Help

Email: tutorcs@163.com
What would happen if we try to recycle Tom's StudentID?

```
INSERT INTO STUDEN (Stadentib, Wame, DoB, Email)

VALUES (456, 'Smith', '27/08/1989', 'smith@gmail.com');

https://tutorcs.com
```

 DBMSs will not allow two tuples with the same primary key value in STUDENT.



程序代写代做 CS编程辅导 Insert - Foreign Key Violation

	I PROGRAMO		
StudentID	Name	DoB	Email
456 W	e Tongt.	25/01/1988	tom@gmail.com
458	Peter	20/02/1991	peter@hotmail.com
459	Fran	11/09/1987	_frankk@gmail.com
A	551211111	em Profect	Exam neib

 If we only have the above three tuples in STUDENT, can we add the following tuple into ENROL! tutores in 163.com

```
INSERT INTO ENROPE STATE INTO ENROPS STATE INTO ENROPE STATE INTO ENROPS STATE INTO ENROPE STATE ENROPE STATE INTO ENROPE STATE INTO ENROPE STATE INTO ENROPE STATE ENROPE STATE INTO ENROPE STATE INTO ENROPE STATE INTO ENROPS STATE INTO ENROPE STATE ENROPE STATE INTO ENROPE STATE ENROPE STATE ENROPE STATE ENROPS ST
```

 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.



程序代写代做 CS编程辅导 Update and Delete - Examples

If we want to change il and name stored in the relation STUDENT. then we use

UPDATE STUDENT SET Name='Tom Lee', Email='tom.lee@yahoo.com' WHERE Student Detait cstutores

- If we want to delete Tom's information from the relation STUDENT, we use DELETE FROM STUDENT STREET PROJECT From Help
- We can delete all the tuples in the relation STUDENT by using

DELETE FROM STUDENT;

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Question: What is the difference between the above statement and the following one? https://tutorcs.com

DROP Table STUDENT:

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



程序代写代做 CS编程辅导 Update and Delete - Referential Actions

- Referential actions s happens in case of deleting or updating referenced tuples (vi tuples (vi tuples)).
- SQL offers the following possibilities:
 WeChat: cstutores
 - NO ACTION (default) will throw an error if one tries to delete a row (or update the primars key variety Perejecter xam Help
 - CASCADE will force the referencing tuples to be deleted (or updated with new primary key value).
 - SET NULL will for the the the the tobe set to a null value (i.e., unknown).
 - SET DEFAULT will folke the corresponding values in the referencing tuples to be set to a specified default value.



程序代写代做 CS编程辅导 Referential Actions – Foreign Key

```
CREATE TABLE STUDEN
       (StudentID
                              KEY.
        Name VARCHA
        DoB Date,
        Email VARCHAR(100)):
CREATE TABLE COURSEWeChat: cstutorcs
       (No VARCHAR(20) PRIMARY KEY,
       Cname VARCHAR Somment Project Exam Help
        Unit SMALLINT):
CREATE TABLE ENROL Email: tutorcs@163.com
       (StudentID INT,
       CourseNo VARCHAR (20) 389476
        Semester VARCHAR(50),
        Status VARCHAR(50)/
        FOREIGN KEY(StudentID) REFERENCES STUDENT(StudentID)
        ON DELETE NO ACTION,
        FOREIGN KEY(CourseNo) REFERENCES Course(No)):
```



程序代写代做 CS编程辅导 Referential Actions - Examples

FOREIGN KE (1) (2) REFERENCES STUDENT(StudentID)

WaChatt actitored					
Studentl ^{DV}	COURSENS S	U <u>Benlester</u>	Status	EnrolDate	
456	COMP1130	2016 S1	active	25/02/2016	
458 △ €	c FOMPHA9nt	PPHistort	Factiven	25/02/2016	
456	COMP2400	2016 52	active	09/03/2016	

Email: tutores @ 163.com							
<u>StudentID</u>	StudentID Name DoB Email						
4690.	468 17 100 2 \$ C25 07 44988 tom@gmail.com						
458	Peter	20/02/1991	peter@hotmail.com				

 The deletion of a stuberp who thas rescoled at least one course will throw out an error concerning the foreign key.



程序代写代做 CS编程辅导 Referential Actions - Examples

Consider the following the considering the consid

FOREIGN KE (1) (2) REFERENCES STUDENT(StudentID)

WaChatt actitored						
StudentlDV	COURSENS S	U <u>Berhester</u>	Status	EnrolDate		
456	COMP1130	2016 S1	active	25/02/2016		
458 A c	c FOMPHA9nt	PP/6iSict	Factiven	25/04/2016		
456	OMP2400	-2016/S2	active	09/03/2016		

Email: tutors & 4163.com					
StudentID Name DoB Email					
468 (1) 7 (20) 3 (2) 2 (7) (4) 88 tom@gmail.com					
458	Peter	20/02/1991	peter@hotmail.com		

 Deleting a student in Struct 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