

## 程序代写代做 CS编程辅导



# Data Manipulation Language (Simple SQL Queries) Ip

Email: tutorcs@163.com

QQ: 749389476

https://tutorcs.com



#### 程序代写代做 CS编程辅导 Simple SQL Queries

- SQL provides the SE pent for retrieving data from a database.

```
SELECT attribute_list

FROM table_WetChat: cstutorcs
[WHERE condition]
[GROUP BY attributestist [HAVING From Examination]
[ORDER BY attribute_list];
```

#### Note:

Email: tutorcs@163.com

- Only SELECT and FROM accompandetory.
- The symbol \* means all the attributes.
- Attribute name name name (required, if attribute-names are not unique).
- Attribute and table names can be given an alias.
- DISTINCT is used for removing duplicate tuples in the query result.



#### 程序代写代做 CS编程辅导 SQL Queries – Select Clause



ENROL				
StudentID	CourseNo	Semester	Status	EnrolDate
456	COMMPZERRE:	c\$91fof€s	active	25/02/2016
458	COMP1130	2016 S1	active	25/02/2016
456	CQMP2400	en <sup>20</sup> th Stee	t <b>e</b> ctivem	ტ9/03/2016

#### SELECT \* FROM Enremail: tutorcs@163.com

StudentID	<b>QQ</b> se <b>N</b> 49.	389Andstner	Status	EnrolDate
456	COMP2600	2016 S2	active	25/02/2016
458	Clothyps://36u	to <b>20</b> \$6331111	active	25/02/2016
456	COMP2400	2016 S2	active	09/03/2016



#### 程序代写代做 CS编程辅导 SQL Queries – Select Clause

	ENROL			
StudentID		Semester	Status	EnrolDate
456	CERTAIN	2016 S2	active	25/02/2016
458	COMP1130	2016 S1	active	25/02/2016
456	COMP24Pat:	csqueoses	active	09/03/2016

SELECT ENROL. Studentile, Semester From Enrol, Help

SELECT e.Studenti Email: tutorcs@163.com ENROL e;

SELECT DISTINCT SQuenting, 389476 FROM ENROL;

StudentID	Semester	
456	2016 S2	
458	2016 S1	
456	2016 S2	

# https://tutores.com

456	2016 S2
458	2016 S1
456	2016 S2

StudentID	Semester	
456	2016 S2	
458	2016 S1	



#### 程序代写代做 CS编程辅导 SQL Queries – Where Clause

- Unspecified WHERE-classification.
  - all tuples of a ring FROM-clause are selected.
  - if multiple relating the Cartesian product of relations is selected (be careful).
- The condition in the WHERE-clause can be simple or complicated.

```
SELECT * FROM SSignment Project Exam Help
```

SELECT \* FROM STUDENT, COURSE;

SELECT \* FROME PROJECT INTERECT LOGICAL BETWEEN 100 AND 500;

SELECT \* FROM STUDENT WHERE Email is NOT NULL;

SELECT \* FROM SUDEN PROPERTY Comail like '% gmail.com';

- Question: Assume that we have 1000 tuples in STUDENT and 100 tuples in COURSE. How many tuples we will have in the results of the first two queries?
- Answer: 1st query result: 1000 tuples; 2nd query result: 100000 tuples.



- GROUP BY attribute\_list
   GROUP BY attribute\_list
   In the plant of the pl
- Aggregate functions can be applied to aggregate a group of attribute values into a single value, e.g. eChat: cstutorcs
  - COUNT returns the total number of argument values in Assignment Project Examine in the country of the coun
  - AVG returns the average of argument values
     Email: tutorcs@163.com
  - MIN returns the minimum value of the arguments
  - MAX returns the maximum value of the arguments
  - SUM returns the stups of the argument values
- We can use HAVING condition to add the condition on the groups.



List the total number the sum of the units of courses, the minimum unit in Course.

Course		
No Wo Chat: estutores U		Unit
COMP1130	Introduction to Advanced Computing I	6
COMP2400	Relational Databases Signment Project Exam Help	6
COMP3600	Algorithms Xam Help	4

SELECT COUNT(\*), tutorcs@163.com FROM Course: 749389476

 The query result may look like: https://tutorcs.com

COUNT	SUM	MIN
3	16	4



SELECT e. Genrae No.: COUNT(\*) AS NumberOfStudents
FROM ENROL e

WHERE e. Semester = 12016 S2' Exam Help

Email: tutorcs@163.com

	Enrol			
StudentID	QQburs4N38	9 <b>\$76</b> ester	Status	EnrolDate
458	COMP2400	2016 S2	active	25/02/2016
458	httpmp/itustoi	C2010131	active	25/02/2016
456	COMP2400	2016 S2	active	25/02/2016



List each course offe students who have electrical ecourse ecourse.

List each course ester 2 2016 together with the number of students who have electrical ecourse.

SELECT e. Gurseno. COUNT(\*) AS NumberOfStudents
FROM ENROL e
WHERE e. Semester = '2016 S2' Exam Help
GROUP BY e. Courseno;

The query result may Hookilketutores@163.com

(	QourseNic89	4NumberOfStudents
ı	COMP2400	120
ł	100094 WKGD11	CS.COM 100
	COMP1130	150



# SQL 程序代写代做 CS编程辅导 SQL Queries – Having Clause

List each course offe students that is at least the students the students that is at least the students that is at least the students the students the students that is at least the students the students that is at least the students the students the students that it is at least the students the s

SELECT e.CourseNo, COUNT(\*) AS NumberOfStudents

FROM ENACCHAE: cstutorcs

WHERE e.Semester = '2016 S2'

GROUP BY e Assignment Project Exam Help

HAVING COUNT(\*)>= 120;

Email: tutorcs@163.com

The query result may look like:

(	OO: 749389476		
	CourseNo	NumberOfStudents	
ŀ	ntgoM7840or	cs.com 120	
	COMP1130	150	



- The ORDER BY clause to be a clause to
  - ASC indicates a a default).
  - DESC indicates in the properties.
- We can sort the previous result by

SELECT e Konciente, COUNTE AS Number Of Students
FROM ENROL e
WHERE e Asmestanent' Project Exam Help
GROUP BY e. Course No.

ORDER BY Finheid of Students PESC com

 This would return all tuples sorted by the number of enrolled students in descending order.
 QQ: 749389476

1	CourseNo	NumberOfStudents	
I	HOOMPINSOT	<del>cs.com</del> <sub>150</sub>	
	COMP2400	120	
	COMP2600	100	