

SQL Queries I

Wednesday, October 21, 2015 12:46 PM

CSS 475 – Database Systems

University of Washington, Bothell - Computing & Software Systems

Table Creation and Data Insertion

Consider the following relations:

Hotel (hotelNo, hotelName, city)

Room (roomNo, H_hotelNo, type, price)

Booking (H_hotelNo, G_guestNo, dateFrom, dateTo, R_roomNo)

Guest (guestNo, guestName, guestAddress)

The underlined attributes form the primary key. Note that SQL has a DATE domain that dateFrom and dateTo use. Dates can be compared using operators, such as < and >.

1. Create the database (refer to the SQL Create Database document)
2. Create the tables and constraints
3. Insert some test data into each table (some 20 entries at least)

Once you're done with 1-3 above, WAIT before proceeding to the next section

Queries

SELECT Query syntax

```
SELECT [DISTINCT | ALL] { * | [columnExpression [AS  
newName]] [, ...] }  
FROM      TableName [alias] [, ...]  
[WHERE     condition]  
[GROUP BY  columnList  
  [HAVING condition] ]  
[ORDER BY  columnList]
```

CURRENT_DATE returns the current date in the time zone that is local to the user.

Write SQL statements to perform the following:

1. Display all information in the hotel relation.
2. List the names and address of guests from Seattle. (The guestAddress includes the city, state, etc.)

Continued in SQL Queries II

Submission

- Submit all your queries in a txt file or MSWord document in Canvas at the end of the today's class
- One submission per team please

- Include the names of all your team members in your file