CSCI3287\_Homeowrk6

Chengming Li

* DATA Import

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* SECTION 1











**CREATE TABLE IF NOT EXISTS cubnb.tenant(**

**tenant\_id int PRIMAR KEY,**

**mobile bigint,**

**password text,**

**tenant\_name text);**





**CREATE TABLE IF NOT EXISTS cubnb.property(property\_id int,**

**property\_name text,**

**host\_id int,**

**location text,**

**type text,**

**price int,**

**number\_of\_rooms int,**

**max\_occupancy int,**

**number\_of\_reviews int,**

**amenities set<text>,**

**status text,**

**PRIMARY KEY((property\_id, host\_id)));**

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**CREATE TABLE IF NOT EXISTS cubnb.booking(booking\_id int,**

**property\_id int,**

**total\_occupancy int,**

**tenant\_id int,**

**status text,**

**no\_of\_days int,**

**start\_date date,**

**end\_date date,**

**PRIMARY KEY((booking\_id, property\_id, tenant\_id)));**

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* SECTION 2

**SELECT booking\_id, property\_id, tenant\_id, no\_of\_days**

**FROM booking**

**WHERE tenant\_id = 80855 AND**

**start\_date >= '2022-02-01' AND end\_date <= '2022-02-28'**

**ALLOW FILTERING;**

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**SELECT COUNT(\*)**

**from cubnb.property**

**WHERE number\_of\_reviews > 200**

**ALLOW FILTERING;**

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**SELECT property\_name, location, type, status**

**FROM cubnb.property**

**WHERE location = 'Brooklyn' AND**

**type = 'Apartment' AND**

**status = 'available'**

**ALLOW FILTERING;**

**Text

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**SELECT property\_name, host\_id, amenities**

**FROM cubnb.property**

**WHERE host\_id = 1029**

**ALLOW FILTERING;**

**UPDATE cubnb.property**

**SET amenities = amenities + {'Heater'}**

**WHERE host\_id = 1029**

**AND**

**property\_id IN (8, 46, 165, 122, 7, 97);**

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**INSERT INTO tenant (tenant\_id, mobile, password, tenant\_name)**

**VALUES(3287, 3033058712, '3033058712', 'random\_tenant');**

**UPDATE tenant**

**SET password = 'password@123'**

**WHERE tenant\_id = 3287;**

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**UPDATE property**

**SET amenities = amenities - {'GardenView'}**

**WHERE host\_id = 1012 AND**

**property\_id = 110;**

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**SELECT property\_name, amenities,price**

**FROM property**

**WHERE amenities CONTAINS 'BeachView' AND**

**price > 1000**

**ALLOW FILTERING;**

**Graphical user interface, text

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**SELECT MAX(max\_occupancy)**

**FROM property**

**WHERE number\_of\_rooms = 8**

**ALLOW FILTERING;**

**SELECT COUNT(\*)**

**FROM property**

**WHERE number\_of\_rooms = 8 AND**

**max\_occupancy = 16**

**ALLOW FILTERING;**

**Text

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