

# DBMS- Assignment #1 (Join)

Create CarsRentalCompany database from CarsRentalCompany.txt file then use it to answer the following questions:

Users Table

Userid	UName	Rating	Age
1	Layan	7	45
2	Amany	1	33
3	Fatma	8	20
4	Ahmed	9	19
5	Khader	10	35
6	Ali	3	40
7	Alex	9	30

Cars Table

Cid	make	model
200	Toyota	Avalon
202	Lamborghini	Aventador
300	Honda	Civic
301	BMW	i3

reserves tables

UId	Cid	day
1	200	1998-10-10
1	202	1998-10-10
1	300	1998-10-8
1	301	1998-10-7
3	202	1998-11-10
3	300	1998-11-6
3	301	1998-11-12

## For each question bellow:

Write your SQL code then insert a screenshot for the **whole page** which contains the result set table...

قومي بكتابة الكود الخاص بالحل كنص عادي أسفل السؤال المخصص، ثم أدرجي لقطة شاشة لكامل شاشة اللاب توب تحتوي على جدول نتيجة تنفيذ الاستعلام، أي لا تقومي بقص لقطة الشاشة لتحتوي فقط على جدول النتيجة بل أدرجي كامل اللقطة.

- Find all information of Users who have reserved car number 300.
- For each user get the number of cars he/she have reserved.
- Find the age and the names of users (names without duplication) who have reserved a BMW or a Toyota car, then list them in decreasing order based on their ages. Use set membership.
- Find the ids and names of users who have reserved two different cars on the same day. (use self-join)
- Find the names and ratings of users whose rating is better than some sailor called Alex. Use set comparison and subqueries.
- In your opinion, can we use (using) instead of (on) with JOIN in this activity or not in the following situations: (Answer with Yes/No, then explain your answer)

- **Users table Join reserves table.**
- **Cars table Join reserves table.**