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| **ksuLOGO**  **King Saud University**  **College of Computer and Information Sciences**  **Information Technology** | **IT 222 - Database Principles**  **2nd  Semester 1436/37 H**  **Assignment # 4 :SQL-DML**  **Due Date: March 27th** |
| **ارجوا تسليم الفقرات المضللة1-7 يوم الثلاثاء**  **Q1. Consider the following Hotel database schema:**  **Hotel** (hotelNo, hotelName, city)  **Room** (roomNo, hotelNo, type, price)  **Booking** (hotelNo, guestNo, dateFrom, dateTo, roomNo)  **Guest** (guestNo, guestName, guestAddress)  **Write the appropriate SQL statements that perform the following queries:**  ***Important note:***   * Parts 8, 9 and 10, will not show resulting tables. * Date Format:‘DD-MMM-YYY’ e.g. ‘9-Nov-2009’  1. *Find out how many hotels are there.* 2. *Find out how many single rooms there are and list the total revenue per night from all single rooms.* 3. *List the prices (ordered in ascending order) and types of rooms at the Ritz Carlton Hotel.* 4. *List all guests currently staying at the Hilton Hotel in Jeddah.* 5. *List the number of rooms for each hotel.* 6. *List the rooms that are unoccupied at the Hilton Hotel in Jeddah in October.* 7. *List the minimum prices for each type of room in Dubai.* 8. *Insert a new guest Hind her number is 99 and she lives in Jeddah.* 9. *Update the price of all rooms by 5%.* 10. *Delete all bookings for guests who are from Riyadh.*   **Q2. Consider the following Boat database schema:**  **Sailor (**sname, rating**)**  **Boat (**bname, color, rating**)**  **Reservation (**sname, bname, day, start\_time, finish\_time**)**   * ***The rating attribute for boats indicates the minimum rating required of a sailor reserving the boat.***   **Write the appropriate SQL statements that perform the following queries:**   1. *List all red boat name.* 2. *List all pairs of sailors and boats they are qualified to sail.* 3. *List the sailors with the lowest rating.* 4. *List the sailors who have reserved red boats* | |