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|  | **Assignment No. 02 SEMESTER Spring 2022**  **CS403- Database Management System** | **Total Marks: 20**  **Due Date:18/08/2022** |
| **Instructions**  **Please read the following instructions carefully before solving & submitting assignment:**  It should be clear that your assignment will not get any credit if:   * The assignment is submitted after due date. * The submitted assignment does not open or file corrupt. * The assignment is fully or partially copied from (other student or ditto copy from handouts or internet). * Student ID is not mentioned in the assignment File or name of file is other than student ID. * The assignment is not submitted in **.doc** or **.docx** format.  Uploading instructions Your submission must include:   * Assignment should be in **.doc** or **.docx** format. * Save your assignment with your ID (e.g. bx020200786.doc). * Assignment submission through email is **NOT** acceptable.  Objectives The objective of this assignment is:   * To be able to understand relational data model * To map ER diagram to relational data model * To be able to understand the syntax of SQL commands   **Note:**  Your answer must follow the below given specifications.   * Font style: “Times New Roman” * Font color: “Black” * Font size: “12” * **Bold** for heading only. * Font in *Italic* is not allowed at all. * No formatting or bullets are allowed to use. * Your answer should be precise and to the point, avoid irrelevant detail.   **Deadline**  Your assignment must be uploaded/submitted at or before **18/08/2022.**  **Question Statement:**  Our Second assignment is the continuation of our First assignment.  The solution of the First assignment, i.e., the Entity relationship diagram is given below. This ERD will serve as an input to solve the second assignment.  **Entity Relationship diagram (solution of First assignment):**  updated ERD spring 2022    **You are now required to perform the following tasks by considering the above given ER diagram.**   1. **Map the ER diagram to Relational Data Model and link the relations through primary keys and foreign keys.** 2. **After mapping ERD to Relational Data Model, you are required to write the SQL commands for each of the following statements.**  |  |  | | --- | --- | | **Statement** | **Command** | | 1. Create a table named **Carpenter**. You also have to define primary key and foreign key (if any). |  | | 1. Change the name of column from **Total\_amount** to N**et\_payable** in **invoice** table. |  | | 1. Insert one record in **manager** table having data against each column (Mag\_Id: MG01, Email: [ahmad@gmail.com,](mailto:ahmad@gmail.com,) Name: Ahmad, Contact\_No: 03001234567, Address: H#4 street abc). |  | | 1. Show the Name, Description and images of those Items whose Prices are between 2,000 to 10,000 from **Item** table. |  | | 1. What is the maximum Quantity for each item\_name in  **Stock** table. |  |   **=====================================Ended=======================================**  **For any query about the assignment, contact at [CS403@vu.edu.pk](mailto:CS403@vu.edu.pk)**  **GOOD LUCK** | | |