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| Objective: To identify database tables and columns. |
| **For the Associates:**  Associates to finish this activity before proceeding to the next activity. It is enough to identify the tables and column names, no need to create.  **Scenario:** ABC college wants to develop a University Management System (UMS) to store information on students who join their college. The database should contain   * Student’s personal information as well as student’s academic details. * It should store information on subjects taught at the university in various departments. * It should also store marks obtained by each student in each semester subject wise as well as the GPA for each semester.   **GPA** is a rating calculated in a scale of ten considering the individual subject marks obtained and subjects weightage % in a semester. |
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| Problem Statement: Using the following and identify the tables and columns needed for University Management System.   * Student information should have registration\_number, name, branch , contact #, DOB, Date of joining, Address, Email id. * Information on subjects like subject code, subject name and weightage for calculating GPA. * Students marks scored in each subject , semester wise. * Finally overall result of the student comprising GPA scored for a semester, scholarship eligibility.   Associates should use the above case and identify the tables and columns for building the UMS system.  **IMPORTANT NOTE:** The number of subjects varies from semester to semester and the university also changes the number of subjects or swaps the subjects in a particular semester. The database table design should be in such a way that any new subject additions or subject removal should not impact the database design that is I should not add columns or alter tables. The design should be flexible for changes. |