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SQL Training

Lesson-End Project Problem Statement



**School Ranking Analysis**

**Problem scenario:**

You are a database administrator in an institution, and you have been asked to store the students’ details and their marks to track their progress. The database helps to view the students’ marks with a rank that can be viewed, updated, and evaluated to evaluate their performance.

**Objective:**

The objective is to design a database to retrieve the information of a student as needed for the records.

**Note:** Download the **student\_datasets.csv** and **marksheet\_datasets.csv** files from **Course Resources** to perform the required tasks

**Task to be performed:**

1. Write a query to create a **students** table with the student ID, first name, last name, class, and age fields and ensure that the last name, first name, and student ID fields have the NOT NULL constraint and that the student ID field is a primary key
2. Write a query to create a **marksheet** table with score, year, ranking, class, and student ID fields
3. Write a query to insert values into the **students** and **marksheet** tables
4. Write a query to display the student ID and first name of every student in the **students** table whose age is greater than or equal to 16 and whose last name is Kumar
5. Write a query to display the details of every student from the **marksheet** table whose score is between 800 and 1000
6. Write a query to increase the score in the **marksheet** table by five and create a new score column to display this new score

1. Write a query to display the **marksheet** table in descending order of the score
2. Write a query to display the details of every student whose first name starts with an **‘a’**