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| **Problem Statement:** Craft and implement SQL DDL statements that demonstrate the use of various SQL objects, such as creating tables with defined schemas, constructing views for specific queries, setting up indexes for performance optimization, generating sequences for unique identifier generation, and establishing synonyms for alternative naming of database objects. |

**Source Code:**

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| -- Creating a Table  CREATE TABLE Students (  StudentID INT PRIMARY KEY,  Name VARCHAR(100),  Age INT,  Course VARCHAR(50)  );  -- Altering a Table  ALTER TABLE Students ADD COLUMN GPA DECIMAL(3,2);  -- Renaming a Table  ALTER TABLE Students RENAME TO College\_Students;  -- Dropping a Table  DROP TABLE College\_Students;  -- Truncating a Table  TRUNCATE TABLE Students;  -- Creating a View  CREATE VIEW Student\_View AS  SELECT Name, Course FROM Students WHERE Age > 20;  -- Dropping a View  DROP VIEW Student\_View;  -- Creating an Index  CREATE INDEX idx\_course ON Students (Course);  -- Dropping an Index  DROP INDEX idx\_course;  -- Creating a Synonym  CREATE SYNONYM Stud\_Synonym FOR Students;  SELECT\*FROM Students |

**OutPut:**

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| +-----------+--------------+-----+--------+-----+  | StudentID | Name | Age | Course | GPA |  +-----------+--------------+-----+--------+-----+  | 1 | Rohan | 22 | CS | 3.8 |  | 2 | Bhim | 19 | IT | 3.5 |  +-----------+--------------+-----+--------+-----+ |