|  |  |  |
| --- | --- | --- |
| String | CHARACTER(Char) | Fixed-length character strings with a length of 'n' characters.  Ex:  CREATE TABLE Products (  ProductID INT,  ProductCode CHAR(10)  ); |
| VARING CHARACTER (Varchar) | Variable-length character strings with a maximum length of 'n' characters.  Ex:  CREATE TABLE Students (  studentID INT,  FirstName VARCHAR(50),  LastName VARCHAR(50)  ); |
| Binary | Binary Large Object (BLOB) | Used to store binary data, such as images or files.  Ex:  CREATE TABLE Images (  ImageID INT,  ImageData BLOB  ); |
| Number | Decimal or Numeric  (DECIMAL(precision, scale)) | Used to store fixed-point numbers, which are numbers with a fixed number of digits to the right of the decimal point.  Ex:  CREATE TABLE Products (  ProductID INT,  Price DECIMAL(10, 2)  );  **Price column** can store values like 100.67, where 100 is the integer part and 67 is the fractional part (scale) |
| Integer(INT) | data type that used to store whole numbers.  Ex:  CREATE TABLE Employees (  EmployeeID INT,  Salary INT); |
| Temporal | Timestamp (TIMESTAMP) | data type stores date and time information  ex:  CREATE TABLE Events (  EventID INT,  EventTime TIMESTAMP  ); |
| Timestamp with local time zone (TIMESTAMP WITH TIME ZONE) | data type stores date and time information along with the associated time zone.  Ex:  CREATE TABLE Appointments (  AppointmentID INT,  AppointmentTime TIMESTAMP WITH TIME ZONE  ); |
| Boolean(true,false) | (BOOLEAN) | data type that used to represent a Boolean value, which can be either true, false.  Ex:  CREATE TABLE Students (  StudentID INT,  FirstName VARCHAR(50),  LastName VARCHAR(50),  HasPassedFinalExam BOOLEAN  );  INSERT INTO Students (StudentID, FirstName, LastName, HasPassedFinalExam)  VALUES  (1, 'John', 'Doe', true),  (2, 'Alice', 'Smith', false),  (3, 'Bob', 'Johnson', true),  (4, 'Eve', 'Brown', false); |