Logo

Description automatically generated

**Create a Student table and ADD 20 records in them**

**-- Create the Student table**

**CREATE TABLE Student (**

**StudentID INT PRIMARY KEY,**

**Name VARCHAR(50),**

**Surname VARCHAR(50),**

**Class VARCHAR(10),**

**Gender CHAR(1),**

**SchoolNumber INT,**

**BirthYear INT**

**);**

**-- Insert 20 sample records**

**INSERT INTO Student (StudentID, Name, Surname, Class, Gender, SchoolNumber, BirthYear)**

**VALUES**

**(1, 'John', 'Doe', '10Math', 'M', 101, 2000),**

**(2, 'Jane', 'Smith', '10Sci', 'F', 102, 2001),**

**(3, 'Bob', 'Johnson', '9His', 'M', 103, 2002),**

**(4, 'Alice', 'Williams', '10Bio', 'F', 104, 2995),**

**(5, 'David', 'Brown', '9Math', 'M', 105, 2004),**

**(6, 'Eva', 'Taylor', '10Math', 'F', 106, 2005),**

**(7, 'Mark', 'Anderson', '9Bio', 'M', 107, 2006),**

**(8, 'Sophia', 'Martin', '10Sci', 'F', 108, 1997),**

**(9, 'Daniel', 'Clark', '9His', 'M', 109, 2008),**

**(10, 'Olivia', 'White', '10Bio', 'F', 110, 1999),**

**(11, 'Michael', 'Moore', '9Math', 'M', 111, 2002),**

**(12, 'Emma', 'Davis', '10Math', 'F', 112, 1989),**

**(13, 'William', 'Lee', '9Bio', 'M', 113, 1996),**

**(14, 'Ava', 'Jones', '10Sci', 'F', 114, 1997),**

**(15, 'Matthew', 'Brown', '9His', 'M', 115, 2000),**

**(16, 'Mia', 'Garcia', '10Bio', 'F', 116, 1993),**

**(17, 'James', 'Martinez', '9Math', 'M', 117, 1999),**

**(18, 'Ella', 'Taylor', '10Sci', 'F', 118, 2007),**

**(19, 'Christopher', 'Clark', '9Bio', 'M', 119, 2018),**

**(20, 'Sophia', 'Walker', '10Math', 'F', 120, 2019);**

**---------------------Complete these Set of Questions--------------------------------**

**Example 1: List all the records in the student chart**

**Answer-** Select \* from Student\_Table

**Example 2: List the name surname and class of the student in the student table**

**Answer-** SELECT Name, Surname, Class FROM Student\_Table

**Example 3: List the gender Female (F) records in the student table**

**Answer-** SELECT \* FROM Student\_Table WHERE Gender = 'F'

**Example 4: List the names of each class in the way of being seen once in the student table**

**Answer-** SELECT DISTINCT Class FROM Student\_Table

**Example 5: List the students with Female gender and the class 10Math in the student table**

**Answer-** SELECT \*

FROM Student\_Table

WHERE Gender = 'F' AND Class = '10Math'

**Example 6: List the names, surnames, and classes of the students in the class 10Math or 10Sci in the student table**

**Answer-** SELECT Name, Surname, Class

FROM Student\_Table

WHERE Class IN ('10Math', '10Sci')

**Example 7: List the students name surname and school number in the student table**

**Answer-** SELECT Name, Surname, SchoolNumber

FROM Student\_Table

**Example 8: List the students name and surname by combining them as name surname in the student table**

**Answer-** SELECT Name, Surname AS "Name Surname"

FROM Student\_Table

**Example 9: List the students with the names starting with “A” letter in the student table**

**Answer-** SELECT \*

FROM Student\_Table

WHERE Name LIKE 'A%'

**Example 10: List the students with names Emma Sophia and Robert in the student table**

**Answer-** SELECT \*

FROM Student\_Table

WHERE Name IN ('Emma', 'Sophia', 'Robert')

**Example 11: List the students with names starting with A D and K in the student table**

**Answer-** SELECT \*

FROM Student\_Table

WHERE Name LIKE 'A%' OR Name LIKE 'D%' OR Name LIKE 'K%'

**Example 12: List the names surnames classes and genders of males in 9Math or females in 9His in the student table**

**Answer-**

SELECT Name, Surname, Class, Gender

FROM Student\_Table

WHERE (Class = '9Math' AND Gender = 'M') OR (Class = '9His' AND Gender = 'F')

**Example 13: List the males whose classes are 10Math or 10Bio**

**Answer-** SELECT Name, Surname, Class, Gender

FROM Student\_Table

WHERE Gender = 'M' AND (Class = '10Math' OR Class = '10Bio')

**Example 14: List the students with birth year 1989 in the student table**

**Answer-**

SELECT \*

FROM Student\_Table

WHERE BirthYear = 1989