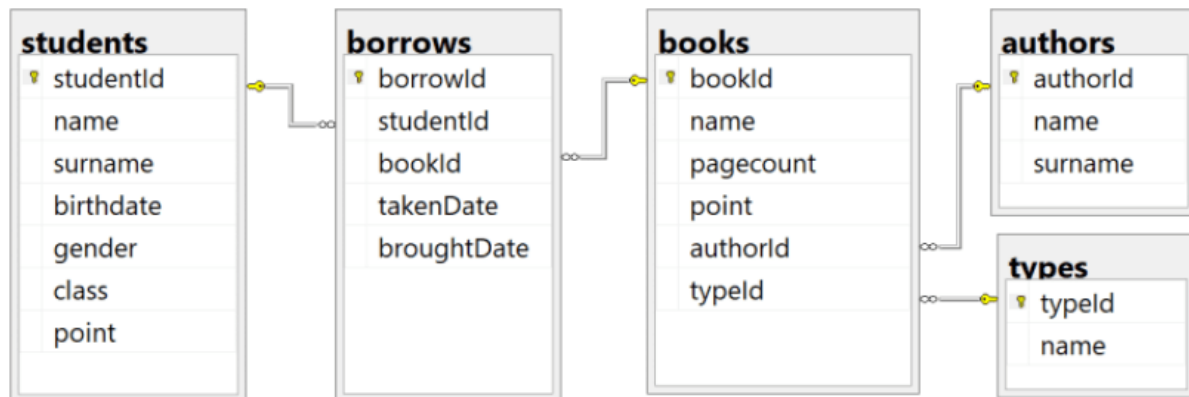# SQL SELECT Queries Assignment

Above image have Some tables and its columns   I want you to create a Table and Insert at least 10 Records in each table If you want the records I've already given below some samples Records inorder to start with this assignment

Students table

```
INSERT INTO students (studentId, name, surname,
birthdate, gender, class, point) VALUES
(1, 'John', 'Doe', '2005-01-15', 'M', '10A', 85),
(2, 'Jane', 'Smith', '2006-03-22', 'F', '10B', 90),
(3, 'Alice', 'Johnson', '2005-07-12', 'F', '10A', 88),
(4, 'Bob', 'Brown', '2006-11-30', 'M', '10C', 76),
(5, 'Charlie', 'Davis', '2005-05-05', 'M', '10B', 92),
(6, 'Diana', 'Miller', '2006-06-25', 'F', '10C', 81),
(7, 'Eve', 'Wilson', '2005-09-18', 'F', '10A', 87),
(8, 'Frank', 'Moore', '2006-12-02', 'M', '10B', 80),
```

```
(9, 'Grace', 'Taylor', '2005-04-17', 'F', '10C', 83),
(10, 'Hank', 'Anderson', '2006-10-20', 'M', '10A', 78);
```

2. Borrows Table

```
INSERT INTO borrows (borrowId, studentId, bookId,
takenDate, broughtDate) VALUES
(1, 1, 3, '2024-01-10', '2024-01-20'),
(2, 2, 5, '2024-01-12', '2024-01-22'),
(3, 3, 7, '2024-01-15', '2024-01-25'),
(4, 4, 2, '2024-01-18', '2024-01-28'),
(5, 5, 1, '2024-01-20', '2024-01-30'),
(6, 6, 4, '2024-01-22', '2024-02-01'),
(7, 7, 6, '2024-01-24', '2024-02-03'),
(8, 8, 8, '2024-01-26', '2024-02-05'),
(9, 9, 10, '2024-01-28', '2024-02-07'),
(10, 10, 9, '2024-01-30', '2024-02-09');
```

3. Books Table

```
INSERT INTO books (bookId, name, pagecount, point,
authorId, typeId) VALUES
(1, 'The Great Gatsby', 180, 95, 1, 1),
(2, 'To Kill a Mockingbird', 281, 90, 2, 2),
(3, '1984', 328, 88, 3, 3),
(4, 'Pride and Prejudice', 279, 93, 4, 4),
(5, 'The Catcher in the Rye', 214, 85, 5, 1),
(6, 'The Hobbit', 310, 91, 6, 2),
(7, 'Moby-Dick', 635, 80, 7, 3),
(8, 'War and Peace', 1225, 92, 8, 4),
(9, 'Ulysses', 730, 89, 9, 1),
(10, 'The Odyssey', 541, 87, 10, 2);
```

4. Authors Table

```
INSERT INTO authors (authorId, name, surname) VALUES
(1, 'F. Scott', 'Fitzgerald'),
(2, 'Harper', 'Lee'),
(3, 'George', 'Orwell'),
(4, 'Jane', 'Austen'),
(5, 'J.D.', 'Salinger'),
(6, 'J.R.R.', 'Tolkien'),
(7, 'Herman', 'Melville'),
(8, 'Leo', 'Tolstoy'),
(9, 'James', 'Joyce'),
(10, 'Homer', '');
```

5. Types Table

```
INSERT INTO types (typeId, name) VALUES
(1, 'Fiction'),
(2, 'Classic'),
(3, 'Dystopian'),
(4, 'Literature'),
(5, 'Fantasy'),
(6, 'Adventure'),
(7, 'Historical Fiction'),
(8, 'Science Fiction'),
(9, 'Mythology'),
(10, 'Philosophy');
```

Assignments Questions

Example 1: List all the records in the student table

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

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

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

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

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

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

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

Example 9: List the students with the names starting with "A" letter in the student table

Example 10: List the book names and pages count with number of pages between 50 and 200 in the book table

Example 11: List the students with names Emma Sophia and Robert in the student table

Example 12: List the students with names starting with A D and K in the student table

Example 13: List the names surnames classes and genders of males in 9Math or females in 9His in the student table

Example 14: List the males whose classes are 10Math or 10Bio

Example 15: List the students with birth year 1989 in the student table

Example 16: List the female students with student numbers between 30 and 50

Example 17: List the students according to their names

Example 18: List the students by names for those with same names. List them by their surnames

Example 19: List the students in 10Math by decreasing school numbers

Example 20: List the first 10 records in the student chart

Example 21: List the first 10 records name surname and date of birth information in the student table

Example 22: List the book with the most page number

Example 23: List the youngest student in the student table

Example 24: List the oldest student in the 10Math class

Example 25: List the books with the second letter N

Example 26: List the students by grouping according to their classes

Example 27: List the students to be different in each questioning randomly

Example 28: Pick a random student from student table

Example 29: Bring some random student's name , surname and number from class 10Math

Example 30: Add the writer named Smith Allen to the authors table

Example 31: Add the genre of biography to the genre table

Example 32: Add 10Math Class male named Thomas Nelson , 9Bio class female named Sally Allen and 11His Class female named Linda Sandra in one question

Example 33: Add a random student in the students chart to the writers chart as an authors

Example 34: Add students with student numbers between 10 and 30 as authors

Example 35: Add the writer named Cindy Brown and make him write his writer number (Note: The last increased rate in automatic enhancing is hold in @@IDENTITY factor)

Example 36: Change the class of the student whose school number is 3 from 10Bio to 10His

Example 37: Transfer all the students in 9Math Class to 10Math Class

```
update students set class='10Math' where
class='9Math'
```

Example 38: Increase all of the students' score by 5 points

NOTE 1: The most important thing in delete interrrogation is the part of condition.If the condition isn't written, all records are included to the cleaning process..

NOT 2: TRUNCATE TABLE instruction will be given at the end of interrogation. (It is used for empting the table TRUNCATE TABLE TABLE NAME)

Example 39: Delete the author #25

When searching for the records whose rate are null in the select questıons, you can't search for field area=null to research the area whose fieald area are null , İt is used null statement.

Example 40: List the students whose birth dates are null

Example 41: List the name ,surname and the dates of received books of the student