```sql
CREATE TABLE Students (   /* Create table with foreign key - Way 1 */

  ID INT NOT NULL

  Name VARCHAR(255)

  LibraryID INT

  PRIMARY KEY (ID)

  FOREIGN KEY (Library_ID) REFERENCES Library(LibraryID)

);


CREATE TABLE Students (   /* Create table with foreign key - Way 2 */

  ID INT NOT NULL PRIMARY KEY

  Name VARCHAR(255)

  LibraryID INT FOREIGN KEY (Library_ID) REFERENCES Library(LibraryID)

);


ALTER TABLE Students   /* Add a new foreign key */

ADD FOREIGN KEY (LibraryID)

REFERENCES Library (LibraryID);
```

INNER JOIN

```sql
SELECT *
FROM Table_A
JOIN Table_B;
SELECT *
FROM Table_A
INNER JOIN Table_B;
```

LEFT JOIN

SELECT *

FROM Table_A A

LEFT JOIN Table_B B

ON A.col = B.col;

RIGHT JOIN

SELECT *

FROM Table_A A

RIGHT JOIN Table_B B

ON A.col = B.col;

OUTER JOIN

SELECT *

FROM Table_A A

FULL JOIN Table_B B

ON A.col = B.col;

SUB QUERY

SELECT name, email, mob, address

FROM myDb.contacts

WHERE roll_no IN (

 SELECT roll_no

 FROM myDb.students

 WHERE subject = 'Maths');

WHERE AND ORDER BY

SELECT *

FROM myDB.students

WHERE graduation_year = 2019

ORDER BY studentID DESC;

GROUP BY AND HAVING CLAUSE

SELECT COUNT(studentId), country

FROM myDB.students

WHERE country != "INDIA"

GROUP BY country

HAVING COUNT(studentID) > 5;