**SQL Queries with Operators, Insert, Update, Delete**

**1.Retrieve the titles of all books published between 2000 and 2010**.

SELECT Title FROM Book\_Details WHERE Publication\_Year BETWEEN 2000 AND 2010;

**2. Find the total number of books available in each category.**

SELECT Category\_Name, COUNT(\*) AS Total\_Books FROM Book\_Details

JOIN Category\_Details ON Book\_Details.Category\_ID = Category\_Details.Category\_ID

GROUP BY Category\_Name;

**3. List the names of all authors whose nationality is not American.**

SELECT DISTINCT Name FROM Author\_Details WHERE Nationality != 'American';

**4. Find the titles of books written by authors whose names start with 'J'.**

SELECT Title

FROM Book\_Details

WHERE ISBN IN (

SELECT ISBN

FROM Author\_Details

WHERE Name LIKE 'J%'

);

**5. Retrieve the names of all students who borrowed a book.**

SELECT DISTINCT Name FROM Student\_Details

JOIN Borrower\_Details ON Student\_Details.Student\_ID = Borrower\_Details.Borrower\_ID;

**6.Insert a new category into the Category\_Details table.**

INSERT INTO Category\_Details (Category\_ID, Category\_Name) VALUES (5, 'Thriller');

**7.Update the publication year of a specific book.**

UPDATE Book\_Details SET Publication\_Year = 2015 WHERE ISBN = 1003;

**8.Delete a record from the Staff\_Details table.**

DELETE FROM Staff\_Details WHERE Staff\_ID = 4;

**9.Count the number of reserved books for each student.**

SELECT Borrower\_ID, COUNT(\*) AS Reserved\_Books

FROM Reservation\_Details

GROUP BY Borrower\_ID;

**10.Calculate the average publication year of all books.**

SELECT AVG(Publication\_Year) AS Avg\_Publication\_Year FROM Book\_Details;