3rd

1st query-

CREATE TABLE BOOK (

Book\_ISBN INT PRIMARY KEY,

Title VARCHAR(100) NOT NULL,

Publisher\_Name VARCHAR(100),

Price DECIMAL(10, 2) CHECK (Price > 0),

Date\_Of\_Publication DATE DEFAULT CURRENT\_DATE,

Book\_Copy INT

);

CREATE TABLE BOOK\_AUTHORS (

Book\_ISBN INT,

Author\_Name VARCHAR(100) PRIMARY KEY,

Author\_City VARCHAR(100) DEFAULT 'Pune',

Phone VARCHAR(20) UNIQUE,

FOREIGN KEY (Book\_ISBN) REFERENCES BOOK(Book\_ISBN)

);

INSERT INTO BOOK (Book\_ISBN, Title, Publisher\_Name, Price, Book\_Copy)

VALUES

(1, 'Book 1', 'Publisher A', 10.99, 20),

(2, 'Book 2', 'Publisher B', 15.99, 12),

(3, 'Book 3', 'Publisher C', 8.99, 30),

(4, 'Book 4', 'Publisher A', 12.99, 5),

(5, 'Book 5', 'Publisher D', 9.99, 18);

INSERT INTO BOOK\_AUTHORS (Book\_ISBN, Author\_Name, Phone)

VALUES

(1, 'Author 1', '1234567890'),

(2, 'Author 2', '2345678901'),

(3, 'Author 3', '3456789012'),

(4, 'Author 4', '4567890123'),

(5, 'Author 5', '5678901234');

2nd query-

SELECT Title FROM BOOK WHERE Book\_Copy BETWEEN 10 AND 15;

3rd query

UPDATE BOOK SET Book\_Copy = 10 WHERE Publisher\_Name = ‘Tata MacGraw Hill’;

4th query-

SELECT Publisher\_Name

FROM BOOK

GROUP BY Publisher\_Name

HAVING COUNT(\*) = (

SELECT MAX(CountBooks)

FROM (

SELECT Publisher\_Name, COUNT(\*) AS CountBooks

FROM BOOK

GROUP BY Publisher\_Name

) AS PublisherCount

);

5th qyery-

SELECT Publisher\_Name, COUNT(\*) AS CountBooks

FROM BOOK

GROUP BY Publisher\_Name

ORDER BY CountBooks ASC;

6th query-

SELECT BOOK.Book\_ISBN, BOOK.Title, BOOK.Publisher\_Name, BOOK.Price, BOOK.Date\_Of\_Publication, BOOK.Book\_Copy

FROM BOOK

JOIN BOOK\_AUTHORS ON BOOK.Book\_ISBN = BOOK\_AUTHORS.Book\_ISBN

WHERE BOOK\_AUTHORS.Author\_City = 'Pune';