Libary

1. a. Create table Query

```sql
CREATE TABLE Libary
    BookID INT PRIMARYKEY auto-increamented,
    Title VARCHAR(50),
    Author VA VARCHAR(50),
    Publisher VARCHAR (50),
    Genre VARCHAR (50),
    PublishedYear INT (5),
    ISBN VARCHAR, UNIQUE (50),
    Pages INT (255),
    copiesAvailable INT (255),
    Price DECIMAL (10,2)
);


INSERT INTO Libary (BookID, Title, Author, Publisher,
Genre, Published Year, ISBN, Pages, copiesAvailable,
Price)


VALUES
(1, 'To Kill a Mockingbird', 'Harper Lee', 'J.B Lippincott',
'Fiction', '1960', '978-0061120084', 324, 5, '15.99')
(2, '1984', 'George Orwell' 'Harvill secker', 'Dystopian',
'1949', '978-0451524935', '328', '2, '9.99')
(3, 'The Great Gatsby', 'F.Scott Fitzgerald', 'Scribner',
'Fiction', '1925', '978-0743273565', '180', 3)
(4, 'The Catcher in the Rye', 'J.O salinger', 'Little, Brown',
'Fiction, '1951', '978-0316769488', '277', '4')
(5, 'The Hobbit', 'J.R.R Tolkien', 'HarperCollins', 'Fantasy',
'1937', '978-0618968633', '310', '6')
```

UPDATE Libary
a. SET ISBN '978-0451 52493 5' = 11.99
Where Genre = Dystopian and Published Year $\leq$ 1950.

b. SET NO. of copies = 10
Where genre = Fiction and Published Year > 1950.

c. SET Price of book = 5/100 - 1
where genre = Fiction and > 300 pages.

d. SET pages of books = 350
where copies > 4 and Price < 14.

e. SET copies = 0
where price > 12 AND (Genre = 'Fiction' OR ~~Ge~~
Genre = 'Dystopian')

f. SET Published Year = 2020
Where Author's name = 'Tolkien' AND (Price > 10

g. SET Price = 8.99
Where author's name = 'George Orwell' AND pages > 300.

h. SET Price = 0.85 * Price
where Genre = 'Fiction'
AND Publishyear $\leq$ 1950 AND copies available $\leq$ 5;

i. UPDATE Libary
SET Price = 17.99
WHERE Title = 'To kill a Mockingbird'
AND Published Year = 1960
AND copies Available ⩾ 4;

DELETE

a. DELETE FROM Libary
WHERE ISBN = '978-0451524935'
AND ISBN = '978-0618968633'

a. DELETE FROM Libary
WHERE ISBN IN ('978-0451524935', '978-06189686
AND Genre = 'Dystopian'
AND copies > 2);

b. DELETE FROM Libary
where Published < 1950
AND Price ⩽ 10;

c. DELETE FROM Libary
WHERE Genre = Fiction
AND copies < 3
AND Published < 1960;

d. DELETE FROM Libary
WHERE Pages < 200
AND published year > 1920 AN
AND published year ⩽ 1960;

e. DELETE FROM Libary
   WHERE author's name = 'Harper Lee'
   AND Price ≤ 12;

f. DELETE FROM Libary
   WHERE copies = 0
   AND price > 15;

g. DELETE FROM Libary
   WHERE ISBN = '978-074'
   AND Genre = 'Fiction'
   AND Published year ≤ 1950;

h. DELETE FROM Libary
   WHERE book published > 2000
   AND Price < 10 OR price < >15;

i. DELETE FROM Libary
   WHERE Genre = 'Fantasy'
   AND No. of copies > 3
   AND No. of copies ≤ 10;

j. DELETE FROM Libary
   WHERE author = 'J. D salinger'
   AND No. of pages < 300
   AND price > 12;

Se SELECT

a. SELECT * FROM Libary
WHERE Genre = 'Fiction'
    AND PublishedYear > 1950
    AND Pages > 200
    AND Price BETWEEN 10 AND 15;

b. SELECT * FROM Libary
WHERE pages > 300
    AND price > 12
    AND Genre = 'Fantasy';

c. SELECT * FROM Libary
WHERE PublishYear BETWEEN 1925 AND 1950
    AND Price < 13
    AND Copies > 3;

d. SELECT * FROM Libary
WHERE AUThOR = 'Harper lee' OR 'George Orwell'
    AND PublishedYear > 1950
    AND price > 10;

e. SELECT * FROM Libary
WHERE Author = 'J.R.R. Tolkien'
    AND CopiesAvailable > 5
    AND Price Be BETWEEN 12 AND 15;

```sql
f.  SELECT * FROM Libary
    WHERE (Genre = 'Dystopian' OR Genre = 'Fantasy')
      AND Pages > 300 )
    ORDER BY Price DESC LIMIT 1;


g.  SELECT * FROM Libary
    WHERE Author = Tolkien
      AND PublishedYear > < 1940
      ANP CopiesAvailable BETWEEN 4 AND 6;


h.  SELECT * FROM Libary
    WHERE Genre = 'Fiction'
      AND Pages > 200
      AND Price BETWEEN 10 AND 20
      AND CopiesAvailable BETWEEN 2 AND 5;


i.  SELECT * FROM Libary
    WHERE PublishedYear < 1950
      AND Price < 15
      AND CopiesAvailable < 3;


j.  SELECT * FROM Libary
j.  SELECT Titles, Author FROM Libary
    WHERE Price > 12
      AND CopiesAvailable > 4
      AND PublishedYear > 1930;
```