1) LIBRARY DATABASE

a) SELECT

 B.Book_id, B.Title, B.Publisher_Name, BA.Author_Name,

LB.Branch_Name, BC.No_of_Copies

FROM BOOK B

JOIN BOOK_AUTHORS BA ON B.Book_id = BA.Book_id

JOIN BOOK_COPIES BC ON B.Book_id = BC.Book_id

JOIN LIBRARY_BRANCH LB ON BC.Branch_id = LB.Branch_id;

b) SELECT Card_No

FROM BOOK_LENDING

WHERE Date_Out LIKE '2020%'

GROUP BY Card_No

HAVING COUNT(*) > 2;

c) DELETE FROM BOOK_LENDING WHERE Book_id = 3;

DELETE FROM BOOK_COPIES WHERE Book_id = 3;

DELETE FROM BOOK_AUTHORS WHERE Book_id = 3;

DELETE FROM BOOK WHERE Book_id = 3;

d) SELECT Publisher_Name, COUNT(*) AS Total

FROM BOOK

GROUP BY Publisher_Name;

e) CREATE VIEW Available_Books AS

SELECT

 B.Book_id, B.Title,

 SUM(BC.No_of_Copies) AS Total_Copies

FROM BOOK B

JOIN BOOK_COPIES BC ON B.Book_id = BC.Book_id

GROUP BY B.Book_id, B.Title;