CODES FOR QUESTIONS

-- 1)

SELECT distinct(book\_copies\_No\_Of\_Copies)

FROM ((books NATURAL JOIN book\_copies ) NATURAL JOIN

library\_branch )

WHERE book\_Title='The Lost Tribe' AND library\_branch\_BranchName='Sharpstown';

-- 2)

SELECT distinct(book\_copies\_No\_Of\_Copies) ,library\_branch\_BranchName

FROM ((books NATURAL JOIN book\_copies ) NATURAL JOIN

library\_branch )

WHERE book\_Title='The Lost Tribe';

-- 3)

SELECT borrower\_BorrowerName

FROM borrower

WHERE borrower\_CardNo NOT IN (SELECT DISTINCT book\_loans\_CardNo FROM book\_loans);

-- 4)

SELECT book\_Title, borrower\_BorrowerName,borrower\_BorrowerAddress

FROM books, BORROWER, BOOK\_LOANS, LIBRARY\_BRANCH

WHERE library\_branch\_BranchName='Sharpstown' AND library\_branch\_BranchID=book\_loans\_BranchID AND

book\_loans\_DueDate='2018-02-03' AND book\_loans\_CardNo=borrower\_CardNo AND book\_loans\_BookID=book\_BookID;

-- 5)

SELECT library\_branch.library\_branch\_BranchName, COUNT(book\_loans.book\_loans\_LoansID) AS total\_loans

FROM book\_loans

JOIN library\_branch ON book\_loans.book\_loans\_BranchID = library\_branch.library\_branch\_BranchID

GROUP BY library\_branch.library\_branch\_BranchName;

-- 6)

SELECT borrower.borrower\_BorrowerName, borrower.borrower\_BorrowerAddress, COUNT(book\_loans.book\_loans\_LoansID) AS books\_checked\_out

FROM borrower

JOIN book\_loans ON borrower.borrower\_CardNo = book\_loans.book\_loans\_CardNo

GROUP BY borrower.borrower\_CardNo

HAVING COUNT(book\_loans.book\_loans\_LoansID) > 5;

-- 7)

SELECT distinct(book\_copies\_No\_Of\_Copies) ,book\_Title

FROM (((authors NATURAL JOIN books) NATURAL JOIN

book\_copies) NATURAL JOIN library\_branch)WHERE

book\_authors\_AuthorName='Stephen King' AND library\_branch\_BranchName='Central';