Sanderh Shroma 2K2Z/Co/4Z7

	Date
B) I) How many captes of book titled ?	me lost Inbe are
ounced by the Ubrany branch who	re name is
"Sharpstown"?	
-)	
SFIECT Sum(bc.no. of copies) A	s num_copies
FROM book copies As be	8
JOIN Library branch AS Lb ON be	.branch-12: Lb: branchie
JOIN BOOK AS BON BC-BOOKIN	= b-book,d
WHERE b. title = The lost Tribe	$A \mathcal{N} \mathcal{D}$
13. branch-name = Sharps to	unc';
	. 7 7
2) How many copies of book titled	The lost inbe
are owned by each library brance	h ?
	1 C-
SELECT Lb. branch name, bc.noo,	L copies
FROM book-rapies as As be	n - 1 8 1
NATURAL JOIN WBrang branch	7+5 C 16 B
NATURAL JOIN BOOK AS & B	1
WHERE 6. title = 'The lost Tribe	•
GROUPBY Us-branch-name.	
22 2 4 2 4 4	1 -1 -1
3) Retrieve names of all borrows	
have any books chedded out.	
->	
SFIFET Brane	
FROM Bonover 85	/ 00/ h
left JOIN book_loans ASBB	
70	bl card no
WHERE bl-card-no IS NULL;	

Spiral

Date	
4) For each book that is bloomed out from 'Snapshun's	
branch and whose Due Date is to day, retreme	
me book title, the bornover's name and the	
bemover's adoliness	•
7	•
SFIFET b. HHe, br. name, br. oddiers	•
From book-loans As bl	-
NATURAL JOIN borrowers AS br	
NATURAL JOIN BOOK AS B	-
NATURAL JOIN Library-branch AS Lb	
WHERE 15. branch-name- 'Sharps town' AND	0
b) due date = CURDATE().	
	•
5) Par each library brunch, retrieve the branch name	0
and the total number of book loaned out from	0
that branch	0
—) a×	0
SFIECT Ub-branch-rome, COUNT(*) AS	0
num-books-loaned	
FROM book-10 ans ASBL	
JOIN Ubran - branch AS Lb ON bl. branch-id-	
(b. branch -id	(
GROUPBY 16. branch name;	
	N. S. Carlot
of Repaire the names, addresses and number of book	
checked out for all some were who have more man	p)
Fre books checked out	
-1 SELECT 5-name, 5-coldiner, COUNT(M) As num-books	
checked-out	
FROM borrower BRS Bb	
NATURALJOIN boot-loans ASPBI Spiral	

Date
GROUP by b-cardno
HAVING COUNT (8) >5;
7) For each book authored (or co-authored) by "Stephen
King", retriese the title and me number of copies
suned by the library branch whose name is "Central"
-) SELECT bititle, because of copies
FROM book-authors AS ba
NATURAL JOIN BOOK AS 6
NATURAL JOEN 6006-capies As 60
NATURAL JOIN WBrang-branch ASUB
WHERE barauthor-name - 'Stephen king' AND
B. branch-name = (central;

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	5 1 1 Object to
-	Jandesh 3 nres (19 Date
0	SQL Exercise
-0-	
	A] write s QL of DDL statements to define this
-0-	database. Include appropriate domains, communes
	and referential trigered actions.
-	3 7
-	CREATE TABLE BOOK
	BOOK-I'D INT PRIMARY KEY,
100 m	Title Varchar (200),
(1)	publisher name Varchar (100),
0	FOREIGN KEY (publisher_name) REFERENCES
(1	Publisher (Name) ON DELETE CASCADE
(1	ON UPDATE CASCADE
C); credit and the
(1	TO ALC ON K AUTHORS
(CREATE TABLE BOOK_AUTHORS
<u>(1</u>	Bookid Int NOTNULL, Authorname VARCHAR (100) NOTNULL,
C	PRIMARY KEY (Book id, Author name),
4	FOREIGN KEY (BOOKIN) REFERENCES
_	Book (Book id)
-	ONDELETE CASCADE ON UPDATE
-6-	CASCADE);
-(1	
(CREATE TABLE Publisher
(1	Name varchar (100) PRIMARY KEY,
C	Address varinar (300),
0	Phone Decimal (20)
C);
C	
•	
C	Spiral
(

	_
Date	0
CREATE TABLE ROOK-COPIES	
Book-id int NOTNULL	_
Bronch-id (har(5) NOT NULL)	
No-of ropies Int DEFAULTI,	
PRIMARY KEY (ROOK in Promot in)	
FOREIGN KEYCROOK IN REFERENCES ROOK CON	-8
ONDELETE CASCADE UN UPDATE CASCADE	
FORFIGN KFY (Branch-id) RFF FR FNCFS	
(ibrany Branch (Branch id)	e
ON DELETELASCADE ON UPDATE CASCAJE	
);	0
	•
CREATE TABLE BOOK-LOOMS (•
Book id Int NOTNULL	0
Branchid char(5) NOT NULL,	•
Cardno Int NOT NULL,	е
Date_out Date,	е
Due date Date	е
PRIMARY KEY (BOOK-id, Branch-id, Card-no),	0
FORETANKEY (BOOK id) REFERENCES ROOK (Booking	/)@
ON DECETERESTRICTON UPDATE CASCADO	-6-
FORFIAN KEY (Branchid) REFERENCES	-0-
(ibrary-Branch (Branch-id)	-6-
ON DELETE RESTRICT ON UPDATE (ASCADE)	-6-
FOREIGN KEY (Cardno) REFERENCES Romoune	6
(rardro)	e
ON DELETE RESTRICT ON UPDATE CASCADE	6
),	0
· · · · · · · · · · · · · · · · · · ·	0
CREATE TABLE (ibrary Granch (0
CREATE TABLE (IDAN, ITALLE) Branch id char (9) PRIMARY KEY, Spiral	0
	•

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	2 KS1 (CO/417
	Sandesh Smesma Date
0	Branch-name varcher (200) NOTNULL,
0	Address varchar (300)
-0-);
0	
	CREATE TABLE Borrower (
	Card-no Int PRIMARY KEY,
100	Name Vaichar (100) NOT NULL,
C	Address varchar (200),
E	Phone Decimal (20)
•	