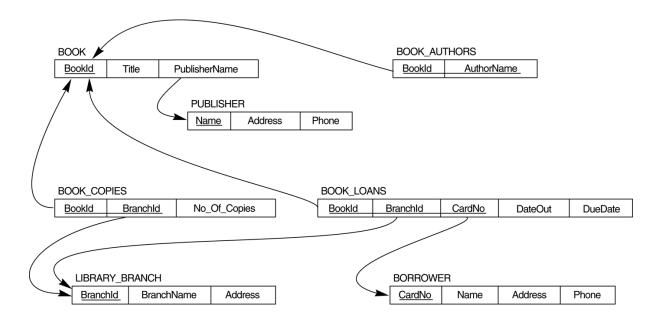
## **SQL EXERCISE**

Given a database schema for a library management system (represented by the picture below), retrieve the required information using SQL language:



1. How many copies of the book titled The Lost Tribe are owned by the library branch whose name is "Sharpstown"?

Select Sum(bc.No\_Of\_Copies) as TotalCopies from Book b inner join Book\_Copies bc on bc.bookid=b.bookid inner join Library\_Branch lb on lb.branchid=bc.branchid Where lb.branchname='Sharpstown' AND b.title='The Lost Tribe';

2. How many copies of the book titled The Lost Tribe are owned by each library branch?

Select lb.branchname, sum(bc.No\_of\_Copies) as TotalCopies from Book b inner join Book\_Copies bc on bc.bookid=b.bookid inner join Library\_Branch lb on lb.branchid=bc.branchid Where b.title='The Lost Tribe' Group by lb.branchname;

3.		f all borrowers who do not have any books checked out .  on this about when should consider the checked out	
4.	DueDate is toda address.  Select b.title, bor.Name, bor.Add		'n
5.	loaned out from Select lb.branchname, sum(bc bc.bookid=b.bookid inner join b	No_Of_Copies) as TotalBooks from book b inner join book_copies bc on	
6.	who have more	ddresses, and number of books checked out for all borrowers than five books checked out.  on this about when should consider the checked out	

7. For each book authored (or co-authored) by "Stephen King", retrieve the title and the number of copies owned by the library branch whose name is "Central"

Select b.title, Sum(bc.No\_Of\_Copies) as TotalCopies from book b inner join book\_authors ba on ba.bookid=b.bookid inner join book\_copies bc on bc.bookid=b.bookid inner join library\_branch lb on lb.branchid=bc.branchid Where ba.authorname='Stephen King' AND lb.branchname='Central' Group by b.title;