**Cairo Higher Institute
For Engineering, Computer
Science and Management**

Library Database System

**Team Leader: Ahmed Shawky Ahmed
ID:2018030020**

**Team Member 1: Ahmed Hassan Hamed
ID:2018030011**

**Team Member 2: Esraa Osama Salah
ID:2018030039**

First: Create The Tables:-

Table 1:Library_Branch

With Column (BranchID,BranchName,BranchAddress)

Table 2:Publisher

With Column (PublisherName,PublisherAddress,PublisherPhone)

Table 3:Books

With column (BookID,BookTitle,Publishername)

Table 4:Book_Author

With Column (Book_ID,AuthorName)

Table 5:Book_Copies

With Column (Book_Id,Branch_ID,Number_of_copies)

Table 6:Borrower

With Column (CardNum,BorrowerName,BorrowerAddress,BorrowerPhone)

Table 7:Book_Loans

With Column (Book_id,Branch_ID,Cardnum,DateOut,DateDue)

Second: Insert the Data in The Tables Using Insert Statement

Third: Implement Some Function using select Statement

F1:to show the sum of numbers of copies by Book_ID

F2: to show the sum of numbers of copies by Branch_ID

F3:to count number of books for each author

F4:to show the books from the same Publisher order by Book_ID

F5: to show the books from the same Publisher order by Book_Title

F6:show number of copies from a Book in each Branch

F7:show data for borrowers which they

date due after'2020-04-30

F8:to show all data from Book_Loans using Cardnum

order by Branch_ID

F9:show all data from borrowers when borrower name like'_A%'

F10:show all data from book author when author name Like'%K%'