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Question 1 [C02] [10 Points]

Design the **LibraryManager** class with appropriate instance variables and methods to generate the expected output.

Tester Code	Expected Output
<pre> public class LibraryTester { public static void main(String[] args) { LibraryManager branch1 = new LibraryManager(); branch1.setupBranch("Central Library", "Banani"); System.out.println("1-----"); branch1.showSummary(); System.out.println("2-----"); branch1.borrowBook("Alice", "Java Programming", 2); System.out.println("3-----"); branch1.showSummary(); System.out.println("4-----"); branch1.borrowBook("Bob", "Data Structures", 1, "Charlie", "Algorithms", 3); System.out.println("5-----"); branch1.showSummary(); System.out.println("6-----"); branch1.borrowBook("Diana", "Discrete Math", 2); branch1.borrowBook("Ethan", "Database Management", 1); System.out.println("7-----"); branch1.showSummary(); } } </pre>	<pre> 1----- Branch Name: Central Library Location: Banani Total Readers Today: 0 Reader List: Total Books Borrowed: 0 2----- Hello Alice, you've borrowed 2 book titled 'Java Programming'. 3----- Branch Name: Central Library Location: Banani Total Readers Today: 1 Reader List: Name: Alice, Books: 2, Book Name: Java Programming Total Books Borrowed: 2 4----- Hello Bob, you've borrowed 1 book titled 'Data Structures'. Hello Charlie, you've borrowed 3 book titled 'Algorithms'. 5----- Branch Name: Central Library Location: Banani Total Readers Today: 3 Reader List: Name: Alice, Books: 2, Book Name: Java Programming Name: Bob, Books: 1, Book Name: Data Structures Name: Charlie, Books: 3, Book Name: Algorithms Total Books Borrowed: 6 6----- Hello Diana, you've borrowed 2 book titled 'Discrete Math'. Sorry, daily reader limit reached! 7----- Branch Name: Central Library Location: Banani Total Readers Today: 4 Reader List: Name: Alice, Books: 2, Book Name: Java Programming Name: Bob, Books: 1, Book Name: Data Structures Name: Charlie, Books: 3, Book Name: Algorithms Name: Diana, Books: 2, Book Name: Discrete Math Total Books Borrowed: 8 </pre>



CSE111: Programming Language II (Lab)
Fall 2024
Lab Quiz - 01
Duration: 25 Minutes

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