**DATABASE MANAGEMENT SYSTEM LAB EXAM**

**S5 CSE-A-28/02/22**

**BATCH 1- SET 1**

**Library Management System**

**Tables: 1)BookRec**

|  |  |  |  |
| --- | --- | --- | --- |
| Bookname (Primary Key) Character | Author : Character | TotalCopies : Number | AvailableCopies :Number |
| DCD | MAno | 3 | 3 |
| OS | Silber | 2 | 2 |

**2)MembershipRec**

|  |  |
| --- | --- |
| Member ID (Primary Key) Number | Member Name : Character |

**3)BookDetails**

|  |  |  |
| --- | --- | --- |
| Book ID (Primary Key) Number | Bookname (Foreign Key) Character | Member ID Number |
| 1 | DCD |  |
| 2 | DCD |  |
| 3 | DCD |  |
| 4 | OS |  |
| 5 | OS |  |

**4) CirculationRec**

|  |  |  |  |
| --- | --- | --- | --- |
| Book ID( Foreign Key) Number | Member ID(Foreign Key)  Number | Issue Date | Return Date (Issue Date +30) |

I. Write a PL/SQL program to add a new book in the library.

Note: 1. Read Book Name, Author and Total copies from keyboard.

II. Write a PL/SQL program to create a new member

Note: 1. Read Member name from keyboard

2. generate the Member ID field in the Membership record table and display the ID to the user

III. Write a PL/SQL program to issue a book to a member

Note: 1. Read Book name from keyboard

2. If sufficient copies of the book are available,

Make necessary updations to BookRec and BookDetails tables

Insert a new row into the CirculationRec table