**LMS\_DDL**

SQL> Create table LMS\_MEMBERS(

2 MEMBER\_ID Varchar2(10),

3 MEMBER\_NAME Varchar2(30) NOT NULL,

4 CITY VARCHAR2(20),

5 DATE\_REGISTER Date NOT NULL,

6 DATE\_EXPIRE Date ,

7 MEMBERSHIP\_STATUS Varchar2(15)NOT NULL,

8 constraint lms\_mem\_id\_pk PRIMARY KEY(MEMBER\_ID));

Table created.

SQL> Create table LMS\_SUPPLIERS\_DETAILS

2 (

3 SUPPLIER\_ID Varchar2(3),

4 SUPPLIER\_NAME Varchar2(30) NOT NULL,

5 ADDRESS Varchar2 (50),

6 CONTACT number(15) NOT NULL,

7 EMAIL Varchar2(15) NOT NULL,

8 Constraint lms\_sup\_id\_pk PRIMARY KEY(SUPPLIER\_ID)

9 );

Table created.

SQL> Create table LMS\_FINE\_DETAILS

2 (

3 FINE\_RANGE Varchar2(3),

4 FINE\_AMOUNT number NOT NULL,

5 Constraint lms\_fine\_range\_pk PRIMARY KEY(FINE\_RANGE)

6 );

Table created.

SQL> Create table LMS\_BOOK\_DETAILS

2 (

3 BOOK\_CODE Varchar2(10),

4 BOOK\_TITLE Varchar2(50) NOT NULL,

5 CATEGORY Varchar2(15) NOT NULL,

6 AUTHOR Varchar2(30) NOT NULL,

7 PUBLICATION Varchar2(30),

8 PUBLISH\_DATE Date,

9 BOOK\_EDITION number(2),

10 PRICE Number(8) NOT NULL,

11 RACK\_NUM Varchar2(3),

12 DATE\_ARRIVAL Date NOT NULL,

13 SUPPLIER\_ID Varchar2(3) NOT NULL,

14 Constraint lms\_book\_code\_pk PRIMARY KEY(BOOK\_CODE),

15 Constraint lms\_book\_sup\_id\_fk FOREIGN KEY(SUPPLIER\_ID) References LMS\_SUPPLIERS\_DETAILS(SUPPLIER\_ID)

16 );

Table created.

SQL> Create table LMS\_BOOK\_ISSUE

2 (

3 BOOK\_ISSUE\_NO number,

4 MEMBER\_ID Varchar2(10) NOT NULL,

5 BOOK\_CODE Varchar2(10) NOT NULL,

6 DATE\_ISSUE Date NOT NULL,

7 DATE\_RETURN Date NOT NULL,

8 DATE\_RETURNED Date NULL,

9 BOOK\_ISSUE\_STATUS Varchar2(20) NOT NULL,

10 FINE\_RANGE varchar2(3),

11 Constraint lms\_issue\_no\_pk PRIMARY KEY(BOOK\_ISSUE\_NO),

12 Constraint lms\_mem\_book\_memid\_fk FOREIGN KEY(MEMBER\_ID) References LMS\_MEMBERS(MEMBER\_ID),

13 constraint lms\_issue\_bdetails\_bcode\_fk FOREIGN KEY(BOOK\_CODE) References LMS\_BOOK\_DETAILS(BOOK\_CODE),

14 constraint lms\_issue\_fdetails\_fk FOREIGN KEY(FINE\_RANGE) References LMS\_FINE\_DETAILS(FINE\_RANGE)

15 );

Table created.