Create table LMS\_MEMBERS

(MEMBER\_ID Varchar(10),

MEMBER\_NAME Varchar(30) NOT NULL,

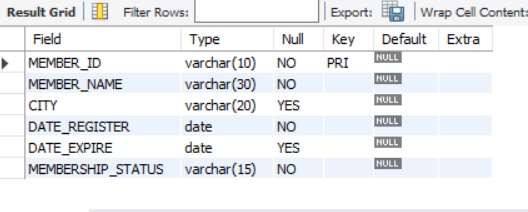
CITY Varchar(20),

DATE\_REGISTER Date NOT NULL,

DATE\_EXPIRE Date ,

MEMBERSHIP\_STATUS Varchar(15)NOT NULL,

Constraint LMS\_cts1 PRIMARY KEY(MEMBER\_ID));



Create table LMS\_SUPPLIERS\_DETAILS

(SUPPLIER\_ID Varchar(3),

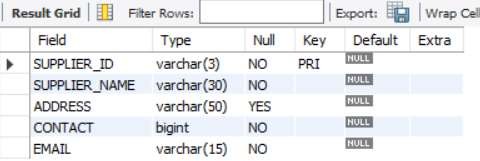
SUPPLIER\_NAME Varchar(30) NOT NULL,

ADDRESS Varchar(50),

CONTACT bigint(10) NOT NULL,

EMAIL Varchar(15) NOT NULL,

Constraint LMS\_cts2 PRIMARY KEY(SUPPLIER\_ID));

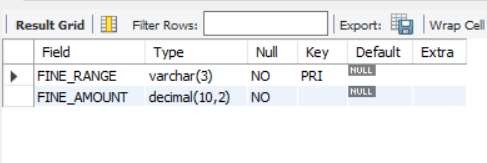


Create table LMS\_FINE\_DETAILS

(FINE\_RANGE Varchar(3),

FINE\_AMOUNT decimal(10,2) NOT NULL,

Constraint LMS\_cts3 PRIMARY KEY(FINE\_RANGE));



Create table LMS\_BOOK\_DETAILS

(BOOK\_CODE Varchar(10),

BOOK\_TITLE Varchar(50) NOT NULL,

CATEGORY Varchar(15) NOT NULL,

AUTHOR Varchar(30) NOT NULL,

PUBLICATION Varchar(30),

PUBLISH\_DATE Date,

BOOK\_EDITION int(2),

PRICE decimal(8,2) NOT NULL,

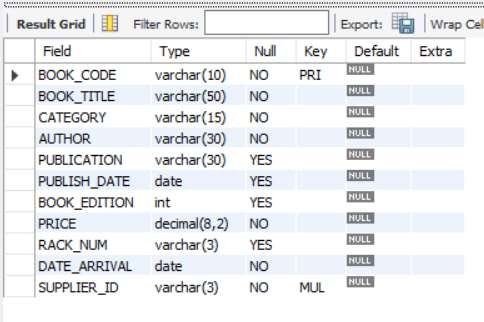
RACK\_NUM Varchar(3),

DATE\_ARRIVAL Date NOT NULL,

SUPPLIER\_ID Varchar(3) NOT NULL,

Constraint LMS\_cts4 PRIMARY KEY(BOOK\_CODE),

Constraint LMS\_cts41 FOREIGN KEY(SUPPLIER\_ID) References LMS\_SUPPLIERS\_DETAILS(SUPPLIER\_ID));



Create table LMS\_BOOK\_ISSUE

(BOOK\_ISSUE\_NO int,

MEMBER\_ID Varchar(10) NOT NULL,

BOOK\_CODE Varchar(10) NOT NULL,

DATE\_ISSUE Date NOT NULL,

DATE\_RETURN Date NOT NULL,

DATE\_RETURNED Date NULL,

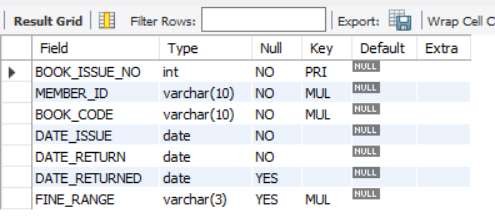
FINE\_RANGE Varchar(3),

Constraint LMS\_cts5 PRIMARY KEY(BOOK\_ISSUE\_NO),

Constraint LMS\_Mem FOREIGN KEY(MEMBER\_ID) References LMS\_MEMBERS(MEMBER\_ID),

Constraint LMS\_BookDetail FOREIGN KEY(BOOK\_CODE) References LMS\_BOOK\_DETAILS(BOOK\_CODE),

Constraint LMS\_FineDetail FOREIGN KEY(FINE\_RANGE) References LMS\_FINE\_DETAILS(FINE\_RANGE));



Insert into LMS\_MEMBERS Values('LM001', 'AMIT', 'CHENNAI', '2012-02-12', '2013-02-

11','Temporary'),

('LM002', 'ABDHUL', 'DELHI', '2012-04-10', '2013-04-09','Temporary'),

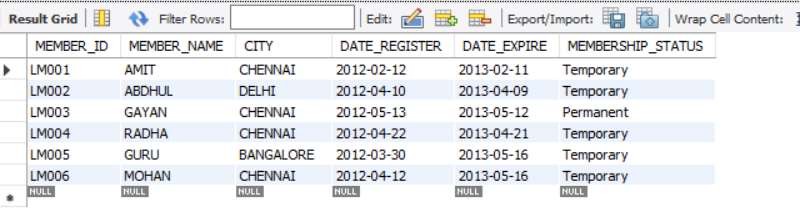
('LM003', 'GAYAN', 'CHENNAI', '2012-05-13','2013-05-12', 'Permanent'),

('LM004', 'RADHA', 'CHENNAI', '2012-04-22', '2013-04-21', 'Temporary'),

('LM005', 'GURU', 'BANGALORE', '2012-03-30', '2013-05-16','Temporary'),

('LM006', 'MOHAN', 'CHENNAI', '2012-04-12', '2013-05-16','Temporary');

select \* from lms\_members;



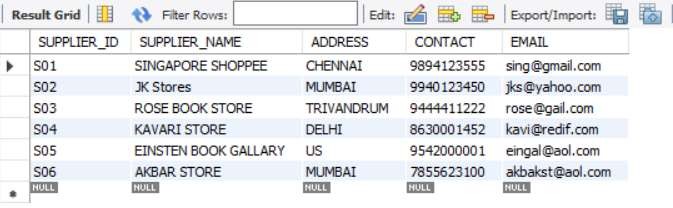
Insert into LMS\_SUPPLIERS\_DETAILS Values

('S01','SINGAPORE SHOPPEE', 'CHENNAI', 9894123555,'sing@gmail.com'),

('S02','JK Stores', 'MUMBAI', 9940123450 ,'jks@yahoo.com'),

('S03','ROSE BOOK STORE', 'TRIVANDRUM', 9444411222,'rose@gail.com'), ('S04','KAVARI STORE', 'DELHI', 8630001452,'kavi@redif.com'), ('S05','EINSTEN BOOK GALLARY', 'US', 9542000001,'eingal@aol.com'), ('S06','AKBAR STORE', 'MUMBAI',7855623100 ,'akbakst@aol.com');

select \* from LMS\_SUPPLIERS\_DETAILS;



Insert into LMS\_FINE\_DETAILS Values

('R0', 0),

('R1', 20),

('R2', 50),

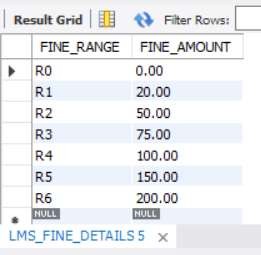
('R3', 75),

('R4', 100),

('R5', 150),

('R6', 200);

select \* from LMS\_FINE\_DETAILS;



Insert into LMS\_BOOK\_DETAILS VALUES

('BL000010', 'Java ForvDummies', 'JAVA', 'Paul J. Deitel', 'Prentice Hall', '1999-12-10', 6, 575.00, 'A1', '2011-05-10', 'S01'),

('BL000002', 'Java: The Complete Reference ', 'JAVA', 'Herbert Schildt', 'Tata Mcgraw Hill ', '2011-10- 10', 5, 750.00, 'A1', '2011-05-10', 'S03'),

('BL000003', 'Java How To Do Program', 'JAVA', 'Paul J. Deitel', 'Prentice Hall', '1999-05-10', 6, 600.00, 'A1', '2012-05-10', 'S01'),

('BL000004', 'Java: The Complete Reference ', 'JAVA', 'Herbert Schildt', 'Tata Mcgraw Hill ', '2011-10- 10', 5, 750.00, 'A1', '2012-05-11', 'S01'),

('BL000005', 'Java How To Do Program', 'JAVA', 'Paul J. Deitel', 'Prentice Hall', '1999-12-10', 6, 600.00, 'A1', '2012-05-11', 'S01'),

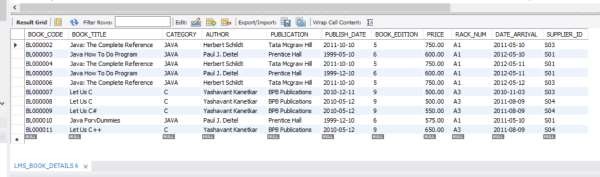
('BL000006', 'Java: The Complete Reference ', 'JAVA', 'Herbert Schildt', 'Tata Mcgraw Hill ', '2011-10- 10', 5, 750.00, 'A1', '2012-05-12', 'S03'),

('BL000007', 'Let Us C', 'C', 'Yashavant Kanetkar ', 'BPB Publications', '2010-12-11', 9, 500.00 , 'A3', '2010-11-03', 'S03'),

('BL000008', 'Let Us C', 'C', 'Yashavant Kanetkar ','BPB Publications', '2010-05-12', 9, 500.00 , 'A3', '2011-08-09', 'S04'),

('BL000009', 'Let Us C#', 'C', 'Yashavant Kanetkar ','BPB Publications', '2010-05-12', 9, 550.00 , 'A3', '2011-08-09', 'S04'),

('BL000011', 'Let Us C++', 'C', 'Yashavant Kanetkar ','BPB Publications', '2010-05-12', 9, 650.00 , 'A3', '2011-08-09', 'S04');

select \* from LMS\_BOOK\_DETAILS;

Insert into LMS\_BOOK\_ISSUE VALUES

(001, 'LM001', 'BL000010', '2012-05-01', '2012-05-16', '2012-05-16', 'R0'),

(002, 'LM002', 'BL000002', '2012-05-01', '2012-05-06','2012-05-16',

(003, 'LM003', 'BL000007', '2012-04-01', '2012-04-16', '2012-04-20','R1'),

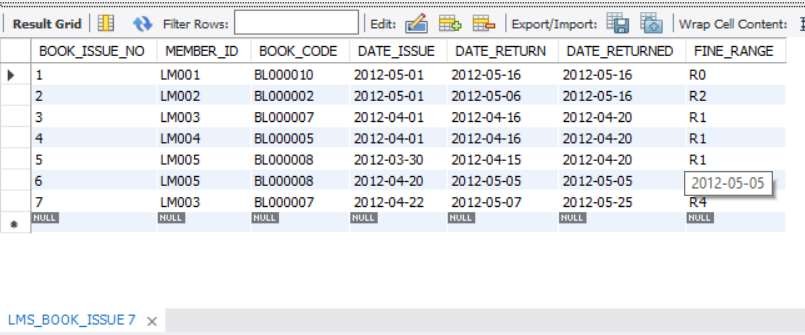
(004, 'LM004', 'BL000005', '2012-04-01', '2012-04-16','2012-04-20', 'R1'),

(005, 'LM005', 'BL000008', '2012-03-30', '2012-04-15','2012-04-20' , 'R1'),

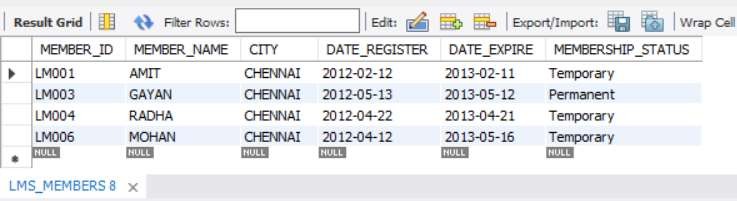
(006, 'LM005', 'BL000008', '2012-04-20', '2012-05-05','2012-05-05' , 'R0'),

(007, 'LM003', 'BL000007', '2012-04-22', '2012-05-07','2012-05-25' , 'R4');

select \* from LMS\_BOOK\_ISSUE ;

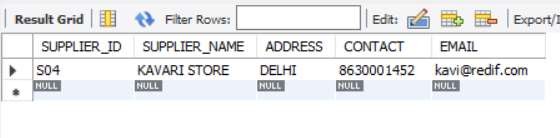


-- 1. Display records of members whose city is Chennai Select \* from LMS\_MEMBERS where city = "CHENNAI";



-- 2. Display Records of supplier whose ADDRESS is delhi

select \* from LMS\_SUPPLIERS\_DETAILS where ADDRESS= "delhi";



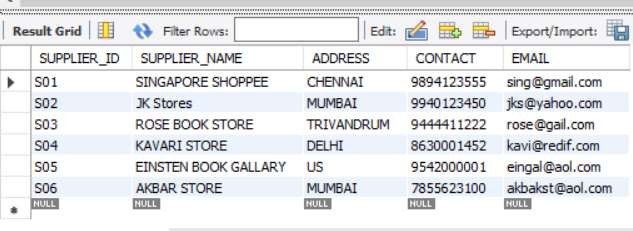
-- 3.show the records of suppliers whose SUPPLIER\_ID is 's05' or whos address is 'us' select \* from LMS\_SUPPLIERS\_DETAILS where SUPPLIER\_ID= 's05' or ADDRESS= "US";



-- 4. change the table name to LMS\_SUPPLIERSD

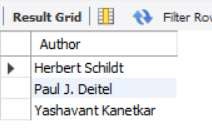
alter table LMS\_SUPPLIERS\_DETAILS rename LMS\_SUPPLIERSD;

select \* from LMS\_SUPPLIERSD;



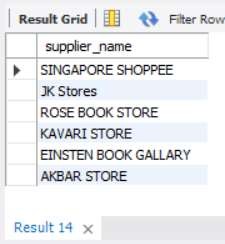
-- 5 display only unique records

select distinct(Author) from LMS\_BOOK\_DETAILS ;



-- 6. display only unique records

select distinct (supplier\_name )from LMS\_SUPPLIERSD;



-- 7. display only unique records

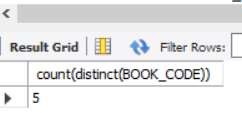
select distinct (member\_name) from LMS\_MEMBERS;



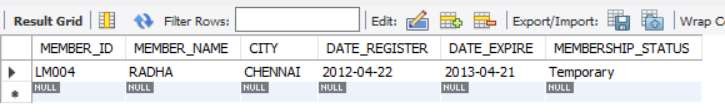
-- 8. show the count of unique departments

select count(distinct(BOOK\_CODE))from LMS\_BOOK\_ISSUE;

- Ans 5

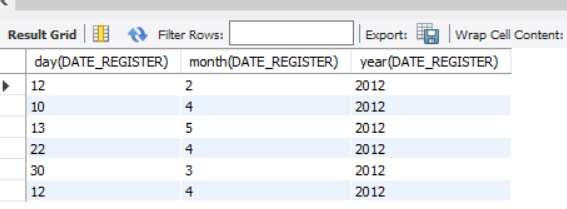


-- 9. show the MEMBER\_NAME whosefirst name starts with R select \* from LMS\_MEMBERS where Member\_name like "R%";



-- 10. show the DATE\_REGISTER in the form of dd mmm yy

select day(DATE\_REGISTER),month(DATE\_REGISTER),year(DATE\_REGISTER) from LMS\_MEMBERS;



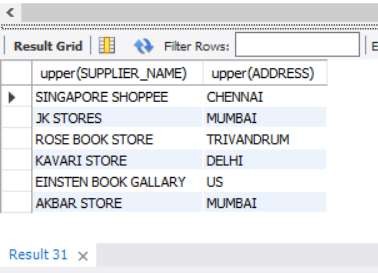
-- 11. show the PUBLISH\_DATE in the form of dd mmm yy

select day(PUBLISH\_DATE),month(PUBLISH\_DATE),year(PUBLISH\_DATE) from LMS\_BOOK\_DETAILS;



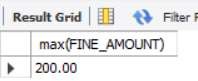
-- 12.-- show the Supplier\_name and ADDRESS in capital letters

select upper(SUPPLIER\_NAME), upper(ADDRESS) from LMS\_SUPPLIERSD;

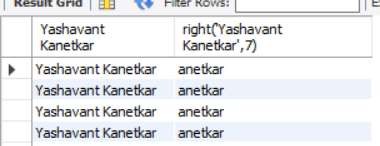


-- 13. show the min FINEAMOUNT. select max(FINE\_AMOUNT)

from LMS\_FINE\_DETAILS ;

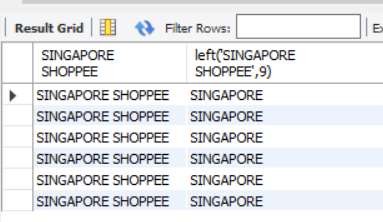


-- 14. select only 7 charchters of 'Yashavant Kanetkar' from AUTHOR from right side. select 'Yashavant Kanetkar', right('Yashavant Kanetkar',7) from LMS\_BOOK\_DETAILS;



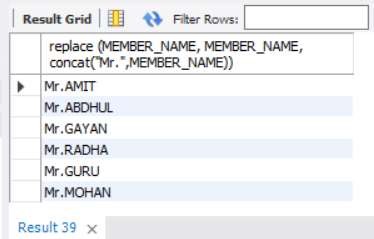
-- 15 . select only ,9 charachters of'SINGAPORE SHOPPEE' from LMS\_SUPPLIERS\_DETAILS from left side.

select 'SINGAPORE SHOPPEE', left('SINGAPORE SHOPPEE',9) from LMS\_SUPPLIERSD;

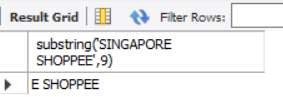


-- 16. replace member names with initials.

select replace (MEMBER\_NAME, MEMBER\_NAME, concat("Mr.",MEMBER\_NAME)) from LMS\_MEMBERS;

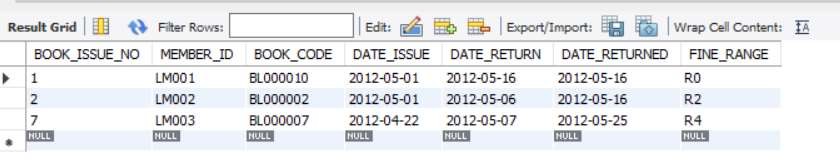


-- 17. Write a query to extract the word from the 10th position of the string select substring('SINGAPORE SHOPPEE',9);



-- 18. Get return date of books from LMS\_BOOK\_ISSUE table whose RETURNDATE between 16-05- 2012/25-05-2012

select \* from LMS\_BOOK\_ISSUE where DATE\_RETURNED between "2012-05-16" and "2012-05-25";



-- 19 Get ARRIVAL date of books from LMS\_BOOK\_DETAILES table between '2011-05-10'/'2010-11- 03';

select \* from LMS\_BOOK\_DETAILS where PUBLISH\_DATE between '1999-12-10' and '2010-05-12';

