Problem # 1:

Write a query to display the member id, member name, city and membership status who are all having life time membership. Hint: Life time membership status is “Permanent”.

SQL> Select Member\_id,Member\_name,city,membership\_status from lms\_members where membership\_status='Permanent';

MEMBER\_ID MEMBER\_NAME CITY MEMBERSHIP\_STAT

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LM003 GAYAN CHENNAI Permanent

Problem # 2:

Write a query to display the member id, member name who have not returned the books. Hint: Book return status is book\_issue\_status ='Y' or 'N'.

SQL> SELECT b1.book\_code,b2.publication,b2.price,b3.supplier\_name FROM(SELECT b1.book\_code FROM LMS\_BOOK\_ISSUE b1 GROUP BY book\_code HAVING COUNT(b1.BOOK\_CODE) > 1) b1 JOIN LMS\_BOOK\_DETAILS b2 ON b1.book\_code = b2.book\_code JOIN LMS\_SUPPLIERS\_DETAILS b3 ON b2.supplier\_id = b3.supplier\_id;

no rows selected

Problem # 3:

Write a query to display the member id, member name who have taken the book with book code 'BL000002'.

SQL> select m.Member\_id,Member\_name from lms\_members m inner join lms\_book\_issue b on m.member\_id=b.member\_id where book\_code='BL000002';

MEMBER\_ID MEMBER\_NAME

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LM002 ABDHUL

Problem # 4:

Write a query to display the book code, book title and author of the books whose author name begins with 'P'.

SQL> select Book\_code,Book\_title, Author from lms\_book\_details where author like 'P%';

BOOK\_CODE BOOK\_TITLE

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AUTHOR

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BL000001 Java How To Do Program

Paul J. Deitel

BL000003 Java How To Do Program

Paul J. Deitel

BL000005 Java How To Do Program

Paul J. Deitel

Problem # 5:

Write a query to display the total number of Java books available in library with alias name ‘NO\_OF\_BOOKS’

SQL> select COUNT(\*) as No\_of\_books from Lms\_book\_details where category='Java';

NO\_OF\_BOOKS

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6

Problem # 6:

Write a query to list the category and number of books in each category with alias name ‘NO\_OF\_BOOKS’.

SQL> Select category,COUNT(\*) No\_of\_books from Lms\_book\_details group by category;

CATEGORY NO\_OF\_BOOKS

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JAVA 6

C 2

Problem # 7:

Write a query to display the number of books published by "Prentice Hall” with the alias name “NO\_OF\_BOOKS”.

SQL> Select count(\*) No\_of\_books from Lms\_book\_details where publication='Prentice Hall';

NO\_OF\_BOOKS

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3

Problem # 8:

Write a query to display the book code, book title of the books which are issued on the date "1 st April 2012".

SQL> select b.book\_code,book\_title from Lms\_book\_details b inner join lms\_book\_issue i on b.book\_code=i.book\_code where Date\_issue='01-APR-2012';

no rows selected

Problem # 9:

Write a query to display the member id, member name, date of registration and expiry date of the members whose membership expiry date is before APR 2013.

SQL> select member\_id,member\_name,DATE\_REGISTER,DATE\_EXPIRE from LMS\_MEMBERS where DATE\_EXPIRE < '01-APR-2013';

MEMBER\_ID MEMBER\_NAME DATE\_REGI DATE\_EXPI

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LM005 GURU 22-MAR-13 13-MAR-13

Problem # 10:

write a query to display the member id, member name, date of registration, membership status of the members who registered before "March 2012" and membership status is "Temporary"

SQL> select member\_id,member\_name,DATE\_REGISTER,MEMBERSHIP\_STATUS from LMS\_MEMBERS where DATE\_REGISTER < '01-MAR2012' and MEMBERSHIP\_STATUS='Temporary'

2 ;

MEMBER\_ID MEMBER\_NAME DATE\_REGI MEMBERSHIP\_STAT

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LM001 AMIT 20-FEB-12 Temporary

Problem #11:

Write a query to display the member id, member name who’s City is CHENNAI or DELHI. Hint: Display the member name in title case with alias name 'Name'.

SQL> select member\_id,member\_name as Name from LMS\_MEMBERS where CITY='CHENNAI' or CITY='DELHI';

MEMBER\_ID NAME

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LM001 AMIT

LM002 ABDHUL

LM003 GAYAN

LM004 RADHA

LM006 MOHAN

Problem #12:

Write a query to concatenate book title, author and display in the following format. Book\_Title\_is\_written\_by\_Author Example: Let Us C\_is\_written\_by\_Yashavant Kanetkar Hint: display unique books. Use “BOOK\_WRITTEN\_BY” as alias name.

SQL> select book\_title + ‘\_is\_written\_by’ + author as ‘BOOK\_WRITTEN\_BY’ from LMS\_BOOK\_DETAILS;

Problem #13:

Write a query to display the average price of books which is belonging to ‘JAVA’ category with alias name “AVERAGEPRICE”.

SQL> select AVG(price) as AVERAGEPRICE from LMS\_BOOK\_DETAILS where CATEGORY='JAVA';

AVERAGEPRICE

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675

Problem #14:

Write a query to display the supplier id, supplier name and email of the suppliers who are all having gmail account.

SQL> select supplier\_id,SUPPLIER\_NAME,EMAIL from LMS\_SUPPLIERS\_DETAILS where EMAIL like '%gmail.com';

SUP SUPPLIER\_NAME EMAIL

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S01 SINGAPORE SHOPPEE sing@gmail.com

S03 ROSE BOOK STORE rose@gmail.com

Problem#15:

Write a query to display the supplier id, supplier name and contact details. Contact details can be either phone number or email or address with alias name “CONTACTDETAILS”. If phone number is null then display email, even if email also null then display the address of the supplier. Hint: Use Coalesce function.

SQL> select Supplier\_id,supplier\_name,coalesce(contact,email,address) as contactdetails from Lms\_suppliers\_details;

Problem#16:

Write a query to display the supplier id, supplier name and contact. If phone number is null then display ‘No’ else display ‘Yes’ with alias name “PHONENUMAVAILABLE”. Hint: Use NVL2.

SQL> select SUPPLIER\_ID,SUPPLIER\_NAME,case when CONTACT is NULL then 'NO' when CONTACT is not null then 'YES' end as PHONE\_NUM\_AVAILABLE from LMS\_SUPPLIERS\_DETAILS;

SUP SUPPLIER\_NAME PHO

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S01 SINGAPORE SHOPPEE YES

S02 JK Stores YES

S03 ROSE BOOK STORE YES

S04 KAVARI STORE YES

S05 EINSTEN BOOK GALLARY YES

S06 AKBAR STORE YES

6 rows selected.