**Assignment: SQL Day-2**

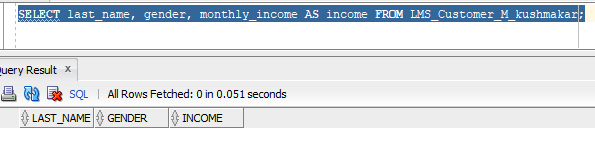
HARSHIT KUSHMAKAR | 16896

**Test your knowledge:**

**1. The following SELECT statement executes successfully: (TRUE/FALSE)**

**SELECT last\_name, gender, monthly\_income AS income FROM LMS\_Customer\_M;**

**(TRUE)**

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**2. The following SELECT statement executes successfully: (TRUE/FALSE)**

**SELECT \* FROM LMS\_Product\_M; (TRUE)**

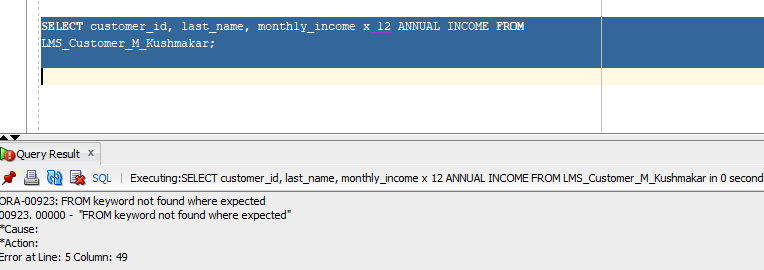
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**3. There are three coding errors in the following statement. Can you identify them?**

**SELECT customer\_id, last\_name, monthly\_income x 12 ANNUAL INCOME FROM**

**LMS\_Customer\_M;**

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**4. The following SELECT statement executes successfully: (TRUE/FALSE)**

**select customer\_id, designation from LMS\_Customer\_M where designation = null;**

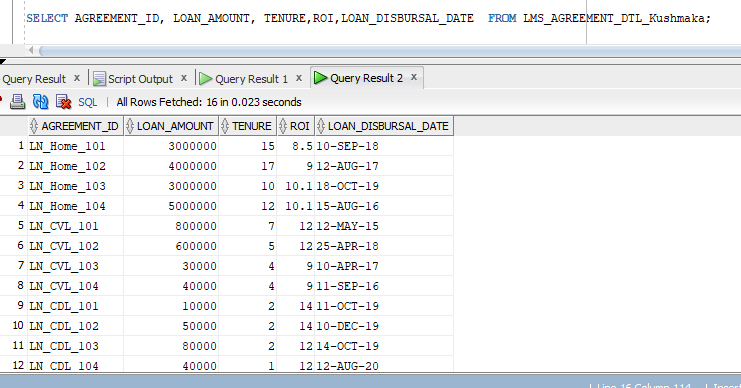
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**SQL Queries:-**

**1. Display the agreement\_id, Loan\_Amount, Tenure, ROI, Loan\_Disbursal\_Date from**

**LMS\_Agreement\_DTL with agreement\_id appearing first.**

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**2. Provide an alias for Loan\_Disbursal\_Date as DISBURSAL DATE in the above query.**

**Graphical user interface, application

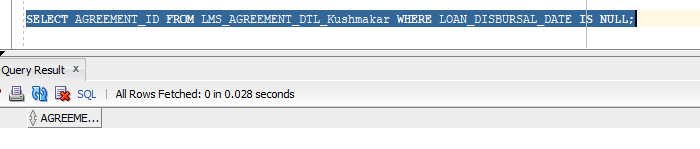
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**3. Display all the unique designations from the LMS\_Customer\_M table**

**Graphical user interface, text, application, email

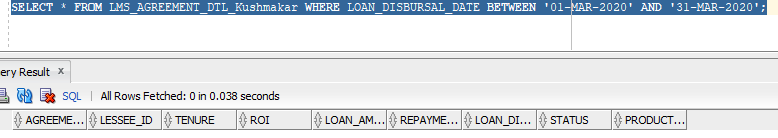
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**4. Find loans that have no disbursements recorded. Return Loan Agreement ID.**

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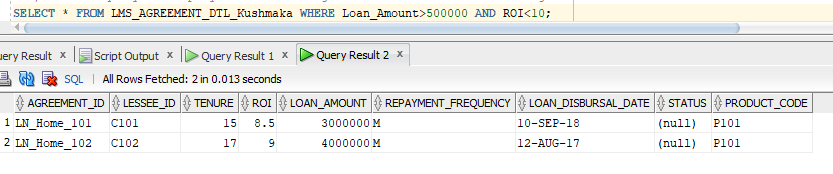
**5. Write a query to display all the loan agreements which have been disbursed in the month of**

**‘March 2020’**

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**6. Write a query to display all the loan agreements whose loan amount is greater then 5lac and**

**ROI is less than 10%**

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**7. Write a query to display all the instalments from LMS\_PAYMENT\_DTL whose status is**

**‘Completed’**

SELECT \* from LMS\_PAYMENT\_DTL\_kushmakar WHere Status = 'C';

**8. Write a query to display all the records from LMS\_CHEQUE\_DTL whose Payment mode is**

**either ‘Cheque’ or Draft’**

SELECT \* from LMS\_CHEQUE\_DTL\_kushmakar where payment\_mode = 'C' or payment\_mode = 'D';

**9. Write a query to fetch all the records from LMS\_TXN\_ADVICE\_DTL table whose TxnType is**

**‘Installment’.**

SELECT \* from LMS\_TXN\_ADVICE\_DTL\_kushmakar where txntype = 'Installment';

**10. Write a query to fetch all Product Categories from LMS\_Product\_Category\_M table which**

**are Secured.**

SELECT \* FROM LMS\_PRODUCT\_CATEGORY\_Kushmakar where SEcuredLoan = 's';

**11. Write a query to display last\_name concatenated with the designation (separated by a**

**comma and a space) from LMS\_Customer\_M table. Name the column ‘Customer and Title’**

SELECT concat(last\_name,concat(',',Designation ) "Customer and Title \*from LMS\_CUSTOMER\_Kushmakar;

**12. Write a query to display all the records from LMS\_CHEQUE\_DTL table sorted descending by Deposit\_Date.**

SELECT \* from LMS\_CHEQUE\_DTL\_kushmakar order by Deposit\_date DESC;

**13. Write a query to display current date. Label the column DATE.**

SELECT CURRENT\_DATE AS ‘’DATE” FROM DUAL;

**14. Write a query to display all the records from LMS\_CHEQUE\_DTL table whose cheque\_date**

**and deposit\_Date are same.**

SELECT \* from LMS\_CHEQUE\_DTL\_kushmakar where Cheque\_date = Deposit\_date;

**15. Write a query to calculate the Penalty charges from LMS\_REPAYSCH\_DTL table where**

**Installment\_Due\_Date is less than current\_date. Consider putting a penalty of Rs. 100/- per**

**day from Installment\_Due\_Date.**

SELECT sum(penalty\_charges) from LMS\_REPAYSCH\_DTL\_kushmakar where Installement\_Date >(select sysdate as "date" from dual);

**16. Write a query to calculate the DBR percentage for each customer. The formula to calculate**

**the DBR is**

**DBR = totalmonthlyexpense/totalmonthlyincome.**

**Name the column DBR.**

SELECT(TOTAL\_MONTHLY\_EXPENSE/MONTHLY\_INCOME) AS "DBR" FROM LMS\_CUSTOMER\_kushmakar;

**17. Write a query that displays the last name (with the first letter uppercase and all other letters**

**lowercase) and the length of the last name for all customers whose name starts with the**

**letters J, A, or M. Give each column an appropriate label.**

SELECT last\_name "Name",LENGTH(last\_name)"Length" FROM LMS\_CUSTOMER\_kushmakar where last\_name LIKE 'J%' OR last\_name LIKE 'A%';

**18. For each customer, display the first name, last name, and email address. The**

**email address will be composed from the first letter of first name, concatenated with the**

**three last letters of last name, concatenated with @nucleussoftware.com.**

SELECT FIRST\_NAME,LAST\_NAME,EMAIL\_ADDRESS, (SUBSTR(FIRST\_NAME,1,1)||(SUBSTR(LAST\_NAME,-3,3)||'@nucleussoftware.com')) FROM LMS\_CUSTOMER\_kushmakar;

**19. Write a query to display the date of instalment\_amount and date of first instalment**

SELECT First\_Installment\_Date, Installement\_Date from LMS\_REPAYSCH\_DTL\_kushmakar;

**20. Write a query to display all the loan agreements with loan disbursal date in the format**

**January 22, 2001**

SSSSELECT \* FROM LMS\_AGREMEENT\_DTL\_Kushmakar where Loan\_Disbursal\_date > ’22-Jan-2001’;