**Assignment: SQL Day-4**

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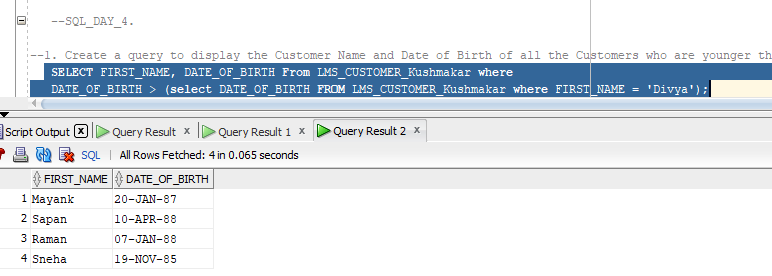
**Subqueries:**

**1. Create a query to display the Customer Name and Date of Birth of all the Customers who are**

**younger than Customer ‘David’.**

SELECT FIRST\_NAME, DATE\_OF\_BIRTH From LMS\_CUSTOMER\_Kushmakar where

DATE\_OF\_BIRTH > (select DATE\_OF\_BIRTH FROM LMS\_CUSTOMER\_Kushmakar where FIRST\_NAME = 'Divya');

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**2. Find out all the Customers who have more than 1 loan. Return Customer name and number**

**of loans.**

SELECT FIRST\_NAME from LMS\_CUSTOMER\_Kushmakar

WHERE CUstomer\_ID = (Select Lessee\_ID from LMS\_AGREEMENT\_DTL\_Kushmakar group by Lessee\_ID having count(\*)>1);

**3. Find out all the customers who have more than 1 loan of tenure greater than 5 years and**

**repayment frequency is Quarterly. Return Customer Name, Product Name, Loan Disbursal**

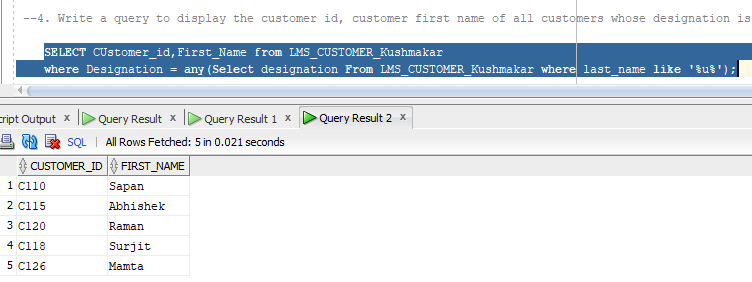
**Date and Loan Amount.**

**4. Write a query to display the customer id, customer first name of all customers whose**

**designation is same as any customer whose last name contains a ‘U’.**

SELECT CUstomer\_id,First\_Name from LMS\_CUSTOMER\_Kushmakar

where Designation = any(Select designation From LMS\_CUSTOMER\_Kushmakar where last\_name like '%u%');

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**5. Write a query to fetch all the loan details whose disbursal date is greater than the disbursal**

**date of the loans being taken by a Customer ‘David’.**

SELECT \* FROM LMS\_AGREEMENT\_DTL\_Kushmakar WHERE LOAN\_Disbursal\_Date>(select Loan\_Disbursal\_Date from LMS\_AGREEMENT\_DTL\_Kushmakar

where Lessee\_ID = (Select Customer\_Id from LMS\_CUSTOMER\_kushmakar where First\_NAME='puneet'));

**6. Write a query to fetch all the loan details whose loan amount is greater than the average of**

**loan amounts being disbursed till date sorted descending.**

SELECT \* FROM LMS\_AGREEMENT\_DTL\_Kushmakar

WHERE Loan\_Amount >(select avg (Loan\_Amount) from LMS\_AGREEMENT\_DTL\_Kushmakar) order by loan\_Disbursal\_Date desc;

**7. Write a query to find all the customers who took all products (all loan types available).**

**8. Write a query to fetch those loans where loan amount exceeds everyone’s credit limit.**

SELECT Lessee\_ID, AGREEMENT\_ID FROM LMS\_AGREEMENT\_DTL\_Kushmakar

WHERE Loan\_Amount>ALL (select Monthly\_Income from LMS\_CUSTOMER\_Kushmakar);

**9. Write a query to fetch those customers whose monthly expenses are greater than average**

**monthly expenses of all customers.**

SELECT FIRST\_NAME from LMS\_CUSTOMER\_kushmakar

Where Total\_Monthly\_Expense> (select avg(Total\_Monthly\_Expense) from LMS\_CUSTOMER\_Kushmakar);

**10. Write a query to find out those customers who have paid the least penalty charges on the**

**Installments.**

SELECT FIRST\_NAME from LMS\_CUSTOMER\_kushmakar where Customer\_Id in (select Lessee\_ID from LMS\_AGREEMENT\_DTL\_Kushmakar

where AGREEMENT\_ID in(select AGREEMENT\_ID from LMS\_REPAYSCH\_DTL\_Kushmakar

where Penalty\_Charges in (select least (penalty\_Charges) from LMS\_REPAYSCH\_DTL\_Kushmakar)));

**Views:**

**1. Create a view on LMS\_CHEQUE\_DTL table based on Cheque\_num, deposit\_date,**

**cheque\_amount, payment\_mode and status. Change the column names to ‘Cheque**

**Number’, ‘Date’, ‘Amount’, and ‘Mode’ respectively. Name the view as ChequeDetails\_VU.**

create view Cheque\_view\_Kushmakar as

select Cheque\_num "Cheque\_number" , deposit\_date "Date" , cheque\_amount "Amount", payment\_mode "Mode" ,status

from LMS\_CHEQUE\_DTL\_Kushmakar;

**2. Confirm that the view works. Display only the Cheque number and Date from the above**

**View.**

Select "Cheque\_number", "Date" from Cheque\_View\_kushmakar;

**3. Create a view which take care of all the Loan Agreements of HOME LOAN Type only. Name**

**the view as HOME\_LOAN\_VU. Confirm that the view works.**

Create view HOME\_LOAN\_Vu\_Kushmakar as

select \* from LMS\_AGREEMENT\_DTL\_Kushmakar where Agreement\_Id like '%Home';

select \* from HOME\_LOAN\_VU\_Kushmakar;

**4. Create a view which displays all the Loans being taken by the Customers. The view contains**

**Customer Name, Product Name, Loan Amount, Disbursal Date and instalment amount.**

**Customer name should contain both First name and last name.**

**5. Confirm that the view works.**

SELECT \* from CUSTOM\_Loan\_kushmakar;

**6. Create a view based on Customer name and count of all the loans being taken by the**

**Customer whose repayment frequency is Monthly.**

create view CUSTOM\_LOAN\_VU\_KUshmakar as select C.First\_Name, A.Agreement\_Id as "COUNT"

from LMS\_AGREEMENT\_DTL\_Kushmakar A join LMS\_CUSTOMER\_Kushmakar C on C.Customer\_Id =

A.Lessee\_Id where Repayment\_Frequency = 'M';

**7. Confirm that the view works.**

Select \* from CUSTOM\_LOAN\_VU\_Kushmakar;

**8. Create a view based on Product Name, sum of total pending instalments sorted descending.**

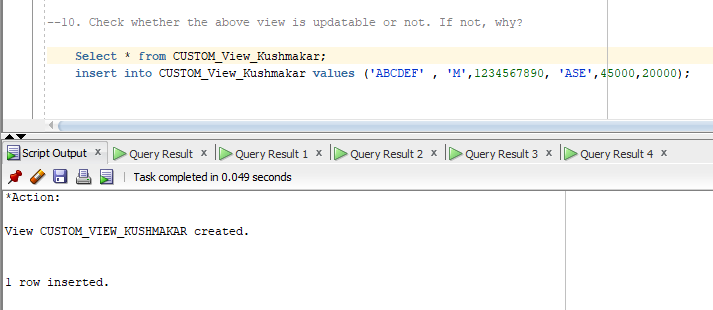
**9. Create a view based on Customer Name, Gender, Contact number, Profession, Monthly**

**income and monthly expense.**

create view CUSTOM\_view\_Kushmakar as select First\_Name , Gender, Contact\_Number, profession,

Monthly\_Income,Total\_Monthly\_expense from LMS\_CUSTOMER\_Kushmakar;

**10. Check whether the above view is updatable or not. If not, why?**

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