**ASSIGNMENT || SQL\_DAY\_3**

**HARSHIT KUSHMAKAR\_16896**

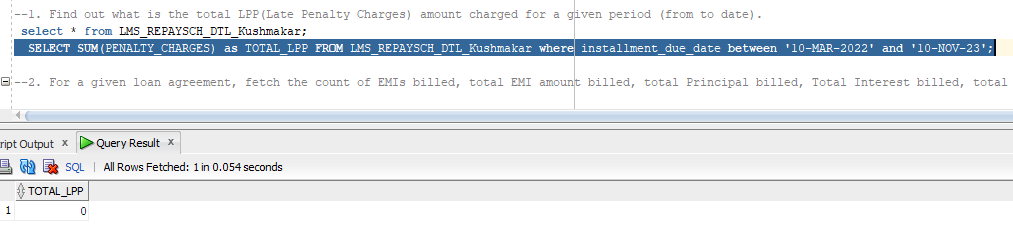
Aggregate Functions:

**1. Find out what is the total LPP(Late Penalty Charges) amount charged for a given period**

**(from to date).**

select \* from LMS\_REPAYSCH\_DTL\_Kushmakar;

SELECT SUM(PENALTY\_CHARGES) as TOTAL\_LPP FROM LMS\_REPAYSCH\_DTL\_Kushmakar where installment\_due\_date between '10-MAR-2022' and '10-NOV-23';

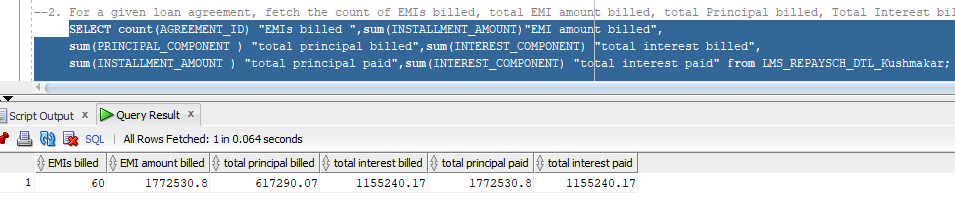
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**2. For a given loan agreement, fetch the count of EMIs billed, total EMI amount billed, total**

**Principal billed, Total Interest billed, total Principal paid, total interest paid.**

SELECT count(AGREEMENT\_ID) "EMIs billed ",sum(INSTALLMENT\_AMOUNT)"EMI amount billed",

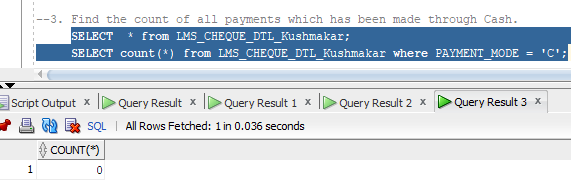
sum(PRINCIPAL\_COMPONENT ) "total principal billed",sum(INTEREST\_COMPONENT) "total interest billed",

**** sum(INSTALLMENT\_AMOUNT ) "total principal paid",sum(INTEREST\_COMPONENT) "total interest paid" from LMS\_REPAYSCH\_DTL\_Kushmakar;

**3. Find the count of all payments which has been made through Cash.**

SELECT \* from LMS\_CHEQUE\_DTL\_Kushmakar;

SELECT count(\*) from LMS\_CHEQUE\_DTL\_Kushmakar where PAYMENT\_MODE = 'C';

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**4. Find the count of All Pending instalments for a particular LoanAgreement.**

**Graphical user interface, application, Word

Description automatically generated**SELECT count(AGREEMENT\_ID) from LMS\_REPAYSCH\_DTL\_Kushmakar where installement\_due\_date>(select sysdate “date” from dual);

**5. Find the count of all Active Loans.**

SELECT \* from LMS\_AGRE\_DTL\_Kushmakar;

SELECT count(Lessee\_ID) from LMS\_AGREEMENT\_DTL\_Kushmakar where loan\_disbursal\_date>(select sysdate from dual);

**Graphical user interface, text, application, Word

Description automatically generated6. Find the sum of all the amounts of the loans being taken by a particular Customer given the**

**customer\_id.**

SELECT sum(A.loan\_Amount) from LMS\_CUSTOMER\_kushmakar C join LMS\_AGREEMENT\_DTL\_Kushmakar A on C.CUSTOMER\_ID = A.Lessee\_Id group by A.Lessee\_Id;

**7. Find the sum of all the amounts of the loans being taken by every Customer.**

SELECT sum(Loan\_Amount) from LMS\_AGREEMENT\_DTL\_Kushmakar group by Lessee\_Id;

**--8. Display the minimum and maximum ROI from the LMS\_Agreement\_DTL table**

SELECT min(ROI), max(ROI) from LMS\_AGREEMENT\_DTL\_Kushmakar;

**--9. Find the sum of advice amount being generated in a particular month**

SELECT \* FROM LMS\_TXN\_ADVICE\_DTL\_Kushmakar;

SELECT sum(ADVICEAMT) FROM LMS\_TXN\_ADVICE\_DTL\_Kushmakar group by to\_char(ADVICEDATE), ('month');

**--10. Find the avg of total interest billed in a particular month.**

**Joins:**

**-- 1. For a given Customer, fetch all the loans being taken by that Customer. Return Customer Name, Product Name, Product Category, Loan Amount, Loan Disbursal Date and Repayment Frequency.**

select C.First\_Name,P.Product\_Name,P.Product\_Category,A.Loan\_Amount,A.Loan\_Disbursal\_Date,

A.Repayment\_Frequency from LMS\_CUSTOMER\_Kushmakar C

join LMS\_AGREEMENT\_Kushmakar A on C.Customer\_Id=A.Lessee\_ID join

LMS\_Product\_Kushmakar P on A.Product\_Code=P.Product\_Code;

**--2. For a given Loan agreement, fetch all the advices generated to date. Return Agreement ID,Customer Name, Advice ID, Advice date, Payment or Receipt, Advice Amount, Paid to date.**

SELECT

A.Agreement\_ID,C.First\_Name,T.Txn\_Advice\_ID,T.ADVICEDATE,P.Payment\_ID,T.ADVIC

EAMT,P.Payment\_Date FROM

LMS\_AGREEMENT\_Kushmakar A

JOIN LMS\_CUSTOMER\_Kushmakar C ON A.lessee\_id=C.Customer\_Id

JOIN LMS\_TXN\_ADVICE\_Kushmakar T ON T.CASE\_ID=A.Agreement\_ID

JOIN LMS\_PAYMENT\_Kushmakar P ON P.Txn\_Advice\_ID=T.Txn\_Advice\_ID

WHERE Agreement\_ID='&AGR\_ID';

**--3. For a given receipt cheque Number, please find out the advices which have been settled with it.**

SELECT \* FROM LMS\_TXN\_ADVICE\_Kushmakar T

JOIN

LMS\_PAYMENT\_Kushmakar P ON P.Txn\_Advice\_id=T.TxnAdviceid

JOIN

LMS\_CHEQUE\_Kushmakar C ON P.Cheque\_Id=C.Cheque\_Id

WHERE Cheque\_Num='&Cheque\_Num';

**--4. Find out how many payments have been made by a customer against a given Agreement ID**

SELECT COUNT(\*) FROM

LMS\_AGREEMENT\_Kushmakar A

JOIN LMS\_TXN\_ADVICE\_Kushmakar T ON a.agreement\_id =T.caseid

JOIN LMS\_PAYMENT\_Kushmakar P ON t.TxnAdviceid=p.txn\_advice\_id

WHERE A.Agreement\_ID='&AGR\_ID';

**--5. For a given loan agreement, get the count and total payments amount received by payment mode (Cheque, Cash…).**

SELECT COUNT(\*),SUM(C.Cheque\_Amount) FROM

LMS\_AGREEMENT\_Kushmakar A

JOIN LMS\_TXN\_ADVICE\_Kushmakar T ON a.agreement\_id =t.caseid

JOIN Lms\_payment\_Kushmakar P ON t.txnadviceid=p.txn\_advice\_id

JOIN LMS\_CHEQUE\_Kushmakar C ON p.cheque\_id=c.cheque\_id

WHERE A.Agreement\_ID='&AGR\_ID'

AND c.Payment\_Mode='C' OR c.Payment\_Mode='Q';

**--6. For a given loan, get the total count and amount of payments received from the customer that have bounced.**

SELECT COUNT(\*),SUM(C.Cheque\_Amount) FROM

LMS\_AGREEMENT\_Kushmakar A

JOIN LMS\_TXN\_ADVICE\_Kushmakar T ON a.agreement\_id =t.caseid

JOIN lms\_payment\_Kushmakar P ON t.txnadviceid=p.txn\_advice\_id

JOIN LMS\_CHEQUE\_Kushmakar C ON p.cheque\_id=c.cheque\_id

WHERE A.Agreement\_ID='&AGR\_ID'

AND c.status='B';

**--7. Get the count and total payments amount received by payment mode (Cheque, Cash…) for all the Loan Agreements.**

SELECT COUNT(\*),SUM(C.Cheque\_Amount) FROM

LMS\_AGREEMENT\_Kushmakar A

JOIN LMS\_TXN\_ADVICE\_Kushmakar T ON a.agreement\_id =t.caseid

JOIN lms\_payment\_Kushmakar P ON t.txnadviceid=p.txn\_advice\_id

JOIN LMS\_CHEQUE\_Kushmakar C ON p.cheque\_id=c.cheque\_id

WHERE c.Payment\_Mode='C' OR c.Payment\_Mode='Q';

**--8. For a given Customer find out the total number of installments which had not been paid for all the loans being taken by that Customer.**

**--9. For a given Customer, find out how many loans the Customer has taken are Asset based. Return the Customer Name, Product Name and Loan Amount.**

**--10. Get the total Installment amount billed to date.**

Select SUM(installment\_amount) from lms\_repaysch\_Kushmakar r

where r.installment\_due\_date <= '&date';

**--11. Write a query to find out those customers who have paid all the instalments on time.**

SELECT c.customer\_id,

c.first\_name,

c.last\_name,

a.lessee\_id

FROM LMS\_CUSTOMER\_Kushmakar c

JOIN LMS\_AGREEMENT\_Kushmakar a ON C.Customer\_Id=a.lessee\_id

JOIN LMS\_REPAYSCH\_Kushmakar R ON R.Agreement\_ID=A.Agreement\_ID

JOIN LMS\_TXN\_ADVICE\_Kushmakar T ON A.Agreement\_ID=T.CaseId

JOIN LMS\_PAYMENT\_Kushmakar P ON T.TxnAdviceid=P.Txn\_Advice\_id

WHERE P.Payment\_Date <=R.Installment\_Due\_Date;

**--12. For a given loan agreement id, find out the details of the product. Return Product name, max\_tenure, min\_tenure, asset based, secured/Unsecured loan.**

SELECT p.Product\_Name,p.Max\_Tenure,p.Min\_Tenure,pc.Asset\_Based,pc.secured\_loan

from LMS\_PRODUCT\_Kushmakar p

join LMS\_AGREEMENT\_Kushmakar a on p.product\_code = a.product\_code

join LMS\_PRODUCT\_CATEGORY\_Kushmakar pc on p.Product\_Category=pc.Category\_ID

where a.agreement\_id= '&agreement\_id';

**--13. Given a PropInstID, find out the loan agreement details of that PropInstID.**

select \* from LMS\_AGREEMENT\_Kushmakar ag join LMS\_REPAYSCH\_Kushmakar r on ag.Agreement\_ID

=r.Agreement\_ID where r.PropInstID='&PropInstID';

**--14. Display a report of all the installments of a particular loan agreement id. Return loan amount, installment amount, principal component, interest component.**

select Loan\_Amount,Installment\_Amount,Prinicipal\_Component,Interest\_Component from

LMS\_AGREEMENT\_Kushmakar ag join LMS\_REPAYSCH\_Kushmakar r on

ag.Agreement\_ID=r.Agreement\_ID where

ag.Agreement\_ID= '&Agreement\_ID';

**--15. Write a query to find out who all customers have taken the home loan.**

Select \* from LMS\_CUSTOMER\_Kushmakar c

join LMS\_AGREEMENT\_Kushmakar a

on c.customer\_id=a.lessee\_id

where a.agreement\_id like '%Home%';