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Subject:DBMS

Practical-1

1.Create a table Account:

Create table ACCOUNT(acc_no varchar2(5), Name varchar2(30), City varchar2(20),Balance Number(10,20), loan_taken varchar2(5));

insert into account values('A001', 'hiren Patel', 'Mehsana', 50000, 'Yes')

insert into account values('A002', 'Dharmik Patel', 'Mehsana', 50000, 'Yes')

insert into account values('A003', 'Dhruv Patel', ' Mehana ', 75000,

'No') insert into account values('A004', 'jigar Patel', 'Mehsana ', 100000, 'No')

insert into account values('A005', 'Manav Patel',' Mehana, 100000, 'Yes')

Select * from account

ACC_NO	NAME	CITY	BALANCE	LOAN_TAKEN
A001	Hiren Patel	Mehsana	50000	YES
A002	Dharmik Patel	Mehsana	50000	YES
A003	Dhruv Patel	Mehsana	75000	NO
A004	Jigar Patel	Mehsana	100000	NO
A005	Manav Patel	Mehsana	100000	YES

2.Create a Table LOAN

```
create table Loan(loan_no varchar2(5), acc_no varchar2(5),
loan_amt number(10,2), interest_rate number(5,2), loan_date
date, remaining_loan number(10,2))
```

```
insert into Loan values('L001', 'A001', 100000, 7, '02-FEB-04',
15000)
```

```
insert into Loan values('L002', 'A002', 300000, 9, '18-JUN-04',
20000)
```

LOAN_NO	INST_NO	INST_DATE	AMOUNT
L001	I001	02-FEB-04	15000
L002	I002	18-JUN-04	20000
L003	I003	20-JUL-04	20000

3 rows returned in 0.01 seconds

[CSV Export](#)

```
insert into Loan values('L003', 'A005', 500000, 11, '20-JUL-04',
20000)
```

```
Select * from Loan
```

3.Create a table INSTALLMENT.

```
create table Installment(loan_no varchar2(5), inst_no varchar2(5),
inst_Date Date, Amount number(10,2))
```

insert into Installment values('L001', 'I001', '2-Feb-04', 15000) insert into
 Installment values('L002', 'I002', '18-June-04', 20000) insert into
 Installment values('L003', 'I003', '15-July-04', 20000)

Select * from Installment

LOAN_NO	INST_NO	INST_DATE	AMOUNT	CREDIT_NO
L001	I001	02-FEB-04	5000	-
L002	I002	18-JUN-04	20000	-
L003	I003	15-JUL-04	20000	-

3 rows returned in 0.00 seconds [CSV Export](#)

✚List of query

1.Display all rows and all columns of table Installment.

Code

Select * from Installment

2.Display all rows and selected columns of table Installment.

Code

Select loan_no, inst_Date from Installment

3.Display selected rows and selected columns of table Account.

Code

Select acc_no, city from account where balance=50000

4.Display selected rows and all columns of table loan.

Code

Select *from Loan where acc_no='A001'

5.Show the structure of the table loan, account and installment.

Code

```
desc account / desc loan / desc installment
```

6. Change the name 'patel jigar' to 'patel hiren' in Account Table.

Code update account Set name ='Patel dev' where name='Patel hiren'

7.Change the name and city where account number is A005. (new name = 'kothari nehal' and new city = 'patan').

Code update account Set name ='nirmal patel', city='patan'
where
acc_no='A005'

8.Display only those records where loan taken status is 'YES'.

Code

```
Select * from account where loan_taken='Yes'
```

9. Add the new column (address varchar2 (20)) into table ACCOUNT.

Code

```
Alter table account Add(address varchar2 (20))
```

10. Create another table ACCOUNT_TEMP (acc_no, name, balance) from table ACCOUNT.

Code create table ACCOUNT_TEMP(acc_no ,name ,balance) as select acc_no
, new_name ,balance from account

11.Delete the records whose account no is A004.

Code

```
Delete from account where acc_no='A004'
```

12. For each loan holders Increase the interest rate 2% (Loan table). Code
update Loan set interest_rate=interest_rate+2

13. Create another table LOAN_TEMP (loan_no, Acc_no, loan_amt, loan_date) from The table LOAN.

Code

```
create table LOAN_TEMP(loan_no, Acc_no, loan_amt, loan_date) As  
select loan_no,acc_no,loan_amt,loan_date from Loan
```

14. Display only those records where loan holder taken a loan in month of January(Loan table). Code

```
select * from Loan where to_char(loan_date,'Mon')='Jan'
```

15. Change the Inst_Date '2-Feb-04' to '3-Mar-04'

Code update Installment Set inst_Date='3-Mar-04' where inst_Date='2-Feb-04'

16. Modify the structure of table LOAN by adding one column credit_no varchar2 (4) (Loan table).

Code

```
Alter table Loan Add(credit_no varchar2(4))
```

17. Increase the size 5 to 7 of column acc_no (Loan table).

Code

```
Alter table Loan Modify(acc_no varchar2(7))
```

18. Display the Loan amount*2 of table LOAN.

Code

Select loan_amt*2 from Loan

19.Change the amount 15000 to 5000 where loan number is L001. (Loan table).

Code update Installment set amount=15000 where amount=5000

20.Create another table TRANS_TEMP by change the column name acc_no to account_no.

Code create table TRANS_TEMP(account_no,name,city,balance,loan_taken) as select acc_no,name,city,balance,loan_taken from account

21. Display loan_no, amount of Installment table by date wise.

Code select * from Loan order by loan_date ASC

22. Select all the records of account table in descending order (account number wise).

Code select * from account order by acc_no DESC

23.Delete a table Installment

Code drop table Installment