Flevia Fargose TE CMPN A - **27**

**Experiment:-1**

**Aim : Study and Implementation of Extended ER diagram and Mapping to Relations.**

**Table Creation:**

SQL> create table customer27(c\_id varchar(05) primary key,c\_name varchar(10),c\_gender varchar(05),c\_add varchar(20));

Table created.

SQL> create table Account27(acc\_no varchar(05) primary key,acc\_bal number(20),c\_id references customer27);

Table created.

SQL> create table Loan27(c\_no varchar(05) primary key,c\_amt number(10),c\_id references customer27);

Table created.

**Data Retrival:**

SQL> select \* from customer27;

C\_ID C\_NAME C\_GEN C\_ADD

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C001 FLEVIA F Nallasopara

C002 GLANCY F Virar

C003 VIVIANA F Virar

C004 STALEN M Virar

C005 FLAVIAN M Nallasopara

C006 OLIVIA F Nallasopara

6 rows selected.

SQL> select \* from Account27;

ACC\_N ACC\_BAL C\_ID

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A001 20000 C001

A002 25000 C002

A003 30000 C004

A004 25000 C005

SQL> select \* from Loan27;

C\_NO C\_AMT C\_ID

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L001 10000 C002

L002 50000 C003

L003 40000 C005

L004 35000 C006

**Queries:**

**1 . Find all customer details who have account ?**

SQL> select c.c\_id,c.c\_name,c.c\_gender,c.c\_add,a.acc\_no from customer27 c,Account27 a where c.c\_id=a.c\_id;

C\_ID C\_NAME C\_GEN C\_ADD ACC\_N

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C001 FLEVIA F Nallasopara A001

C002 GLANCY F Virar A002

C004 STALEN M Virar A003

C005 FLAVIAN M Nallasopara A004

**2 . Find all customer details who have loan?**

SQL> select c.c\_id,c.c\_name,c.c\_gender,c.c\_add,l.c\_no from customer27 c,Loan27 l where c.c\_id=l.c\_id;

C\_ID C\_NAME C\_GEN C\_ADD C\_NO

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C002 GLANCY F Virar L001

C003 VIVIANA F Virar L002

C005 FLAVIAN M Nallasopara L003

C006 OLIVIA F Nallasopara L004

**3 . Find all customer details who have both loan and account?**

SQL> select c.c\_id,c.c\_name,c.c\_gender,c.c\_add,a.acc\_no,l.c\_no from customer27 c

,Account27 a,Loan27 l where c.c\_id=a.c\_id and c.c\_id=l.c\_id;

C\_ID C\_NAME C\_GEN C\_ADD ACC\_N C\_NO

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C002 GLANCY F Virar A002 L001

C005 FLAVIAN M Nallasopara A004 L003

**4.Find all customer details who have account balance greater than 20,000 ?**

SQL> select c.c\_id,c.c\_name,a.acc\_no,a.acc\_bal from customer27 c,Account27 a where c.c\_id=a.c\_id and a.acc\_bal>20000;

C\_ID C\_NAME ACC\_N ACC\_BAL

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C002 GLANGY A002 25000

C004 STALEN A003 30000

C005 FLAVIAN A004 25000

**5.Find all account details having account balance from 20000 to 30000 ?**

SQL> select acc\_no,acc\_bal from Account27 where acc\_bal between 20000 and 30000;

ACC\_N ACC\_BAL

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A001 20000

A002 25000

A003 30000

A004 25000

**6 . Find all customers living in Nallasopara or Virar ?**

SQL> select \* from Customer27 where c\_add in('Nallasopara','Virar');

C\_ID C\_NAME C\_GEN C\_ADD

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C001 FLEVIA F Nallasopara

C002 GLANGY F Virar

C003 VIVIANA F Virar

C004 STALEN M Virar

C005 FLAVIAN M Nallasopara

C006 OLIVIA F Nallasopara

**7.Find all customer details who have maximum account balance ?**

SQL> select c.c\_id,c.c\_name,c.c\_gender from customer27 c,Account27 a where c.c\_id=a.c\_id and a.acc\_bal in(Select max(acc\_bal)from Account27 a);

C\_ID C\_NAME C\_GEN

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C004 STALEN M

**8.Count the number of customers staying in Virar ?**

SQL> select count(c\_id) from customer27 where c\_add='Virar';

COUNT(C\_ID)

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3

**9 . Update all the accounts with 10% intrest on account balance ?**

SQL> update Account27 set acc\_bal=1.1\*acc\_bal;

4 rows updated.

SQL> select \* from Account27;

ACC\_N ACC\_BAL C\_ID

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A001 22000 C001

A002 27500 C002

A003 33000 C004

A004 27500 C005

**10 . Find number of customers for each address ?**

SQL> select c\_add,count(c\_id) from customer27 group by c\_add;

C\_ADD COUNT(C\_ID)

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Virar 3

Nallasopara 3