FOREX TRADING DATABASE SYSTEMS

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ABSTRACT:

This is project “Forex trading database systems” is:It is a global decentThe foreign exchange (forex) market is the largest and most sophisticated market in the world for currency exchange. Forex trading takes place not on a centralized exchange as in the case of options, stock or futures, but through a wide variety of fx brokers. When looking to educate yourself about forex, Wikipedia, Investopedia and other similar websites can be very helpful. Nonetheless, money transfer comparison websites offer the most comprehensive and useful information you can find on the web. They do the legwork for you: they research the trends and the market, they compare exchange rates and brokers and list the best results based on your instructions. With all the information gathered, you only have to choose the best exchange rates. This project help us to know how forex trading happens using database systems.

REQUIREMENT ANALYSIS

List of Tables:

- Login
- Account
- transactions
- trade

List of attributes with their domain tpyes:

Login:

customer id(15)

username(15)

password(10)

customer name(15)

contact

address(20)

Account:

account id(15);

account type(15)

balance (20)

balance type(20)

Transaction:

transaction id(15)

currency of(15)

Trade:

trading id(10)

administrator(20)

contact(10)

currency to(15)

address(20)

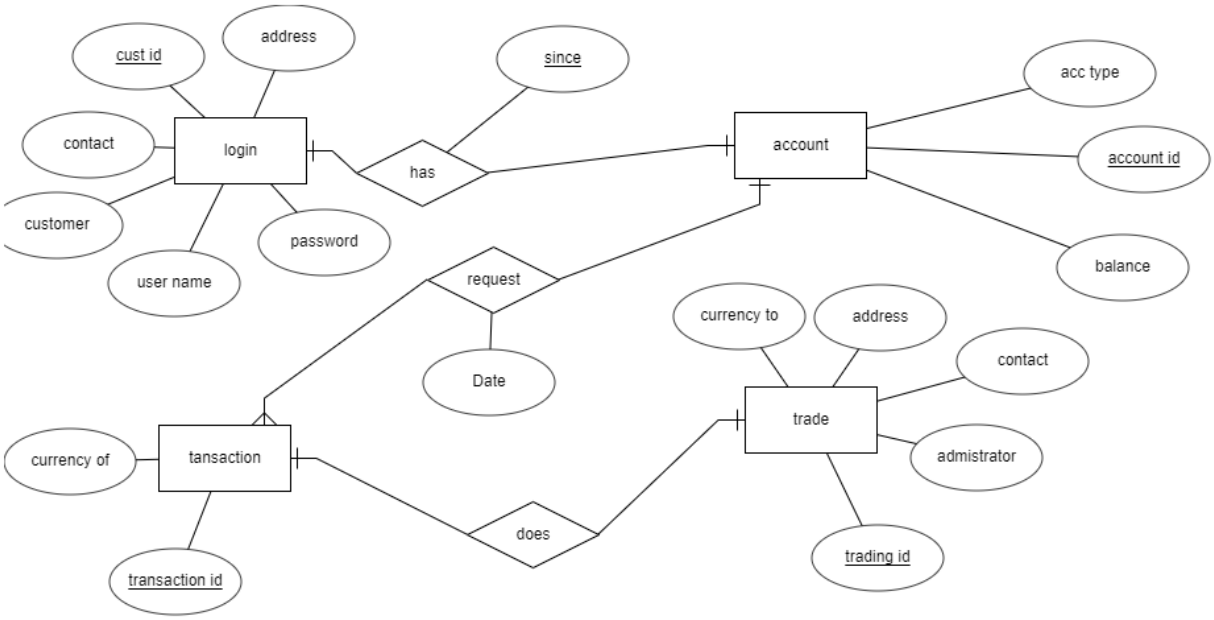
Has:

since(10)

Request:

date(10)

ER DIAGRAM:



Mapping Cardinalities and Partcicipation Constraints:

A person can do forex trading through by logging into his trading account .He sholud have a username and password to login into his trading account.So one to one mapping.

He should have a bank account which is linked to his tading account. Then he should request for a transaction through his account .So it is a one to many mapping.

The transaction is done through trading. So one transaction happens through trading . So it is one to one mapping.

DDL COMMANDS

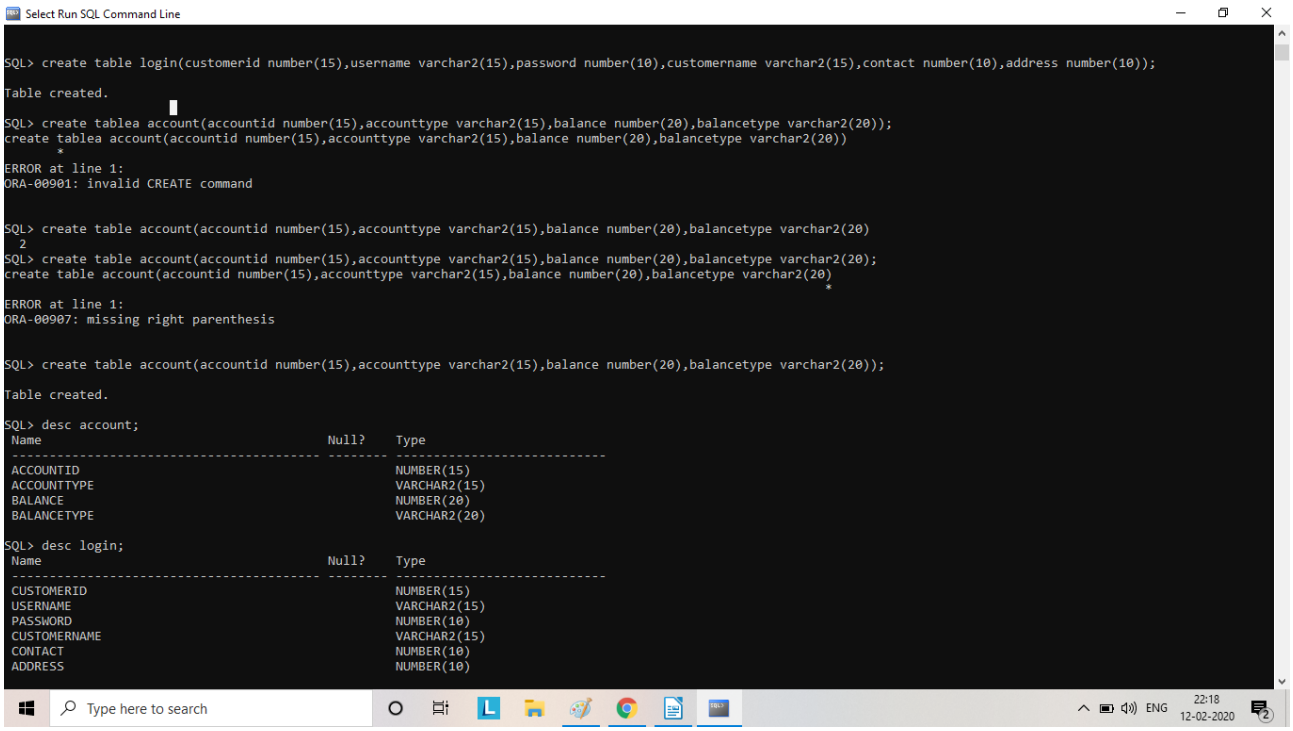
create table has(since number(10),customerid number(15),accountid number(15),foreign key(accountid) references login ,foreign key(customerid) references login);

Table created.

create table has(since number(10),customerid number(15),accountid number(15),foreign key(accountid) references login ,foreign key(customerid) references login);

Table created.

create table does(trid number(15),tid number(15),foreign key(trid) references trade ,foreign key(tid) references trade);



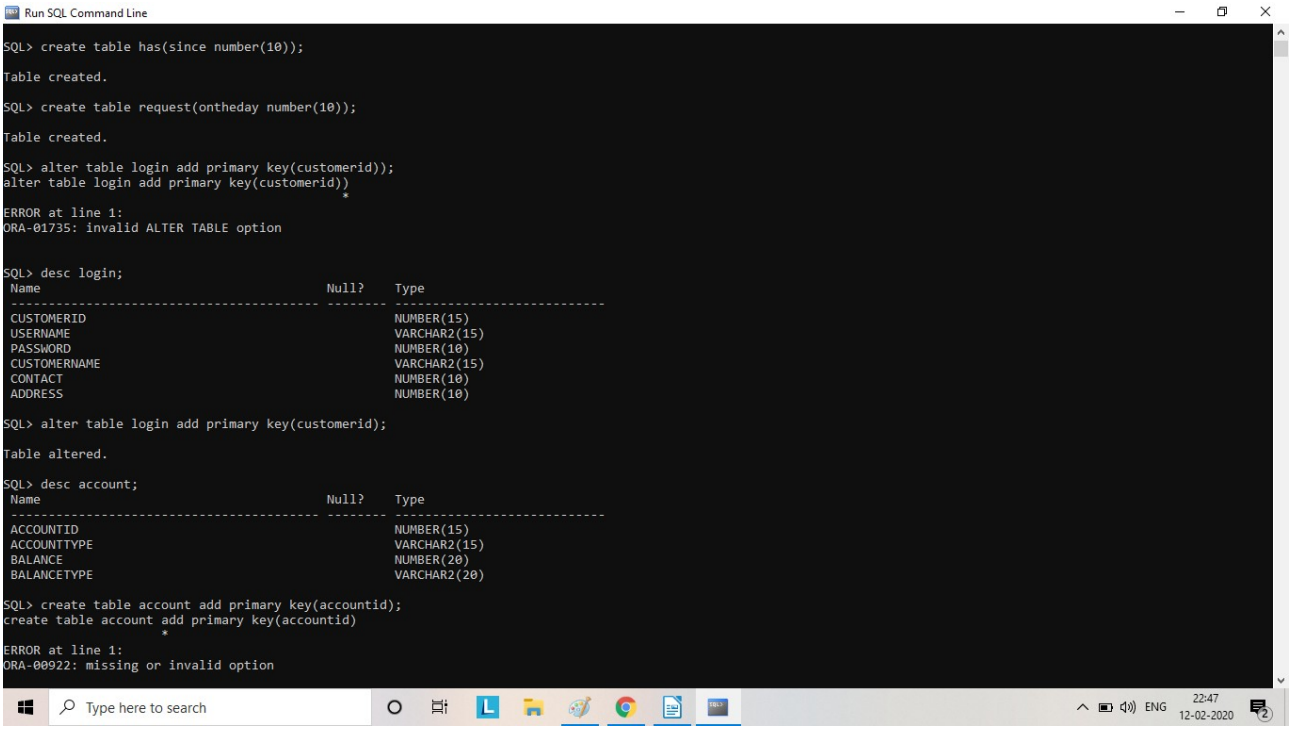


Table created.

SQL> desc trade;

Name	Null?	Type
TRID	NOT NULL	NUMBER(10)
ADMINISTRATOR		VARCHAR2(20)
CONTACT		NUMBER(10)
CURRENCYTO		VARCHAR2(15)
ADDRESS		VARCHAR2(20)

SQL> desc has;

Name	Null?	Type
SINCE		NUMBER(10)
CUSTOMERID		NUMBER(15)
ACCOUNTID		NUMBER(15)

SQL> desc request;

Name	Null?	Type
ONTHEDAY		NUMBER(10)
ACCOUNTID		NUMBER(15)
TID		NUMBER(15)

DML COMMANDS

SQL> insert into login
values(&customerid,'&username',&password,'&customername',&contact,&address);

Enter value for customerid: 123

Enter value for username: hema

Enter value for password: 1802

Enter value for customername: hkam

Enter value for contact: 987

Enter value for address: 876

old 1: insert into login
values(&customerid,'&username',&password,'&customername',&contact,&address)

new 1: insert into login values(123,'hema',1802,'hkam',987,876)

1 row created.

SQL> insert into login
values(&customerid,'&username',&password,'&customername',&contact,&address);

Enter value for customerid: 81765

Enter value for username: varshi

Enter value for password: 12345

Enter value for customername: pvarsh

Enter value for contact: 98765

Enter value for address: 192837

old 1: insert into login
values(&customerid,'&username',&password,'&customername',&contact,&address)

new 1: insert into login values(81765,'varshi',12345,'pvarsh',98765,192837)

1 row created.

SQL> /

Enter value for customerid: 5463728

Enter value for username: thanu

Enter value for password: 56784

Enter value for customername: thanvar

Enter value for contact: 45362

Enter value for address: 102938

old 1: insert into login
values(&customerid,'&username',&password,'&customername',&contact,&address)

new 1: insert into login values(5463728,'thanu',56784,'thanvar',45362,102938)

1 row created.

SQL> /

Enter value for customerid: 45678

Enter value for username: prathu

Enter value for password: 1331

Enter value for customername: prathuv

Enter value for contact: 133126

Enter value for address: 98484

old 1: insert into login values(&customerid,'&username',&password,'&customername',&contact,&address)

new 1: insert into login values(45678,'prathu',1331,'prathuv',133126,98484)

1 row created.

SQL> /

Enter value for customerid: 1326

Enter value for username: sai

Enter value for password: 123455

Enter value for customername: saivarsh

Enter value for contact: 13456

Enter value for address: 99128

old 1: insert into login values(&customerid,'&username',&password,'&customername',&contact,&address)

new 1: insert into login values(1326,'sai',123455,'saivarsh',13456,99128)

1 row created.

SQL> /

Enter value for customerid: 263113

Enter value for username: saivarshi

Enter value for password: 13312609

Enter value for customername: saisai

Enter value for contact: 9010688

Enter value for address: 321456

old 1: insert into login
values(&customerid,'&username',&password,'&customername',&contact,&address)

new 1: insert into login values(263113,'saivarshi',13312609,'saisai',9010688,321456)

1 row created.

SQL> insert into account values(&accountid,'&accounttype',&balance,'&balancetype');

Enter value for accountid: 4567

Enter value for accounttype: bussiness

Enter value for balance: 7000

Enter value for balancetype: indian

old 1: insert into account values(&accountid,'&accounttype',&balance,'&balancetype')

new 1: insert into account values(4567,'bussiness',7000,'indian')

1 row created.

SQL> /

Enter value for accountid: 99128

Enter value for accounttype: student

Enter value for balance: 4500

Enter value for balancetype: indian

old 1: insert into account values(&accountid,'&accounttype',&balance,'&balancetype')

new 1: insert into account values(99128,'student',4500,'indian')

1 row created.

SQL> /
Enter value for accountid: 123456
Enter value for accounttype: bussiness
Enter value for balance: 8000
Enter value for balancetype: indian
old 1: insert into account values(&accountid,'&accounttype',&balance,'&balancetype')
new 1: insert into account values(123456,'bussiness',8000,'indian')

1 row created.

SQL> /
Enter value for accountid: 9010688
Enter value for accounttype: student
Enter value for balance: 7500
Enter value for balancetype: indian
old 1: insert into account values(&accountid,'&accounttype',&balance,'&balancetype')
new 1: insert into account values(9010688,'student',7500,'indian')

1 row created.

SQL> /
Enter value for accountid: 9381454
Enter value for accounttype: bussiness
Enter value for balance: 9500
Enter value for balancetype: indian
old 1: insert into account values(&accountid,'&accounttype',&balance,'&balancetype')
new 1: insert into account values(9381454,'bussiness',9500,'indian')

1 row created.

```
SQL> insert into trade values(&trid,'&admistrator',&contact,'&currencyto','&address');
Enter value for trid: 12345785
Enter value for admistrator: revathi
Enter value for contact: 675899590
Enter value for currencyto: dollars
Enter value for address: 6-60
old   1: insert into trade values(&trid,'&admistrator',&contact,'&currencyto','&address')
new   1: insert into trade values(12345785,'revathi',675899590,'dollars','6-60')

1 row created.

SQL> /
Enter value for trid: 133126
Enter value for admistrator: prathima
Enter value for contact: 9381454667
Enter value for currencyto: dollars
Enter value for address: 7-70
old   1: insert into trade values(&trid,'&admistrator',&contact,'&currencyto','&address')
new   1: insert into trade values(133126,'prathima',9381454667,'dollars','7-70')

1 row created.

SQL> /
Enter value for trid: 311326
Enter value for admistrator: varshitha
Enter value for contact: 9912825524
Enter value for currencyto: dollars
Enter value for address: 6-60
old   1: insert into trade values(&trid,'&admistrator',&contact,'&currencyto','&address')
new   1: insert into trade values(311326,'varshitha',9912825524,'dollars','6-60')
```

1 row created.

SQL> /

Enter value for trid: 6743567

Enter value for admistrator: thanuja

Enter value for contact: 9010688988

Enter value for currencyto: dollars

Enter value for address: 4-40

old 1: insert into trade values(&trid,'&admistrator',&contact,'&currencyto','&address')

new 1: insert into trade values(6743567,'thanuja',9010688988,'dollars','4-40')

1 row created.

SQL> /

Enter value for trid: 2345667

Enter value for admistrator: karthik

Enter value for contact: 9640410710

Enter value for currencyto: dollars

Enter value for address: 5-50

old 1: insert into trade values(&trid,'&admistrator',&contact,'&currencyto','&address')

new 1: insert into trade values(2345667,'karthik',9640410710,'dollars','5-50')

1 row created.

SQL> /

Enter value for trid: 654321

Enter value for admistrator: preetham

Enter value for contact: 9356457831

Enter value for currencyto: dollars

Enter value for address: 2-20

old 1: insert into trade values(&trid,'&admistrator',&contact,'&currencyto','&address')

```
new   1: insert into trade values(654321,'preetham',9356457831,'dollars','2-20')

1 row created.

SQL>
SQL> insert into transaction values(&tid,'&currencyof');
Enter value for tid: 56785
Enter value for currencyof: indian
old   1: insert into transaction values(&tid,'&currencyof')
new   1: insert into transaction values(56785,'indian')

1 row created.

SQL> /
Enter value for tid: 7859356
Enter value for currencyof: indian
old   1: insert into transaction values(&tid,'&currencyof')
new   1: insert into transaction values(7859356,'indian')

1 row created.

SQL> /
Enter value for tid: 674892
Enter value for currencyof: dollar
old   1: insert into transaction values(&tid,'&currencyof')
new   1: insert into transaction values(674892,'dollar')

1 row created.

SQL> /
Enter value for tid: 8942074
```

Enter value for currencyof: dollar

old 1: insert into transaction values(&tid,'&currencyof')

new 1: insert into transaction values(8942074,'dollar')

1 row created.

SQL> /

Enter value for tid: 784927

Enter value for currencyof: dollar

old 1: insert into transaction values(&tid,'&currencyof')

new 1: insert into transaction values(784927,'dollar')

1 row created.

SQL> /

Enter value for tid: 785932

Enter value for currencyof: indian

old 1: insert into transaction values(&tid,'&currencyof')

new 1: insert into transaction values(785932,'indian')

1 row created.

Roll number:1602-18-737-071

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