

Lab Report : 4

Course Code: SE-224

Course Title: Database Systems Lab

SUBMITTED TO:

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create database customers;

create table customer\_information

(

Customer\_id integer identity (1,1) primary key not null,

Customer\_name varchar (50) not null,

Thana varchar (50) not null,

District varchar (50) not null,

PotsOffice varchar (50) not null,

PostCode nchar (50) not null

)

insert into customer\_information

(Customer\_name,Thana,District,PotsOffice,PostCode)

values('Karim','gulshan','Dhaka','gulshan Model Town','1212')

insert into customer\_information

(Customer\_name,Thana,District,PotsOffice,PostCode)

values('rahim','palton','Dhaka','dhaka GPO','1000')

insert into customer\_information

(Customer\_name,Thana,District,PotsOffice,PostCode)

values('mehedi','tejgaon','Dhaka','tejgaon TSO','1215')

insert into customer\_information

(Customer\_name,Thana,District,PotsOffice,PostCode)

values('kamal','sylhet sadar','sylhet','jalalabad','3107')

insert into customer\_information

(Customer\_name,Thana,District,PotsOffice,PostCode)

values('zamal','rangpur sadar','rangpur','mahiganj','5403')

insert into customer\_information

(Customer\_name,Thana,District,PotsOffice,PostCode)

values('shakib','dinajpur sadar','dinajpur','jalalabad','3107')

insert into customer\_information

(Customer\_name,Thana,District,PotsOffice,PostCode)

values('nasir','thakurgaon sadar','thakurgaon','shibganj','5102')

insert into customer\_information

(Customer\_name,Thana,District,PotsOffice,PostCode)

values('mamun','tangail sadar','tangail','korotia','1903')

insert into customer\_information

(Customer\_name,Thana,District,PotsOffice,PostCode)

values('mahmud','kolampati','rangamati','betbunia','4511')

insert into customer\_information

(Customer\_name,Thana,District,PotsOffice,PostCode)

values('tamim','laksham','comilla','bipulasar','4572')

insert into customer\_information

(Customer\_name,Thana,District,PotsOffice,PostCode)

values('ahmed','hathazari','chittagong','fatahabad','4335')

insert into customer\_information

(Customer\_name,Thana,District,PotsOffice,PostCode)

values('imrul','moradnagar','comilla','bangra','3543')

insert into customer\_information

(Customer\_name,Thana,District,PotsOffice,PostCode)

values('sabbir','devidhar','comilla','dhamtee','3533')

insert into customer\_information

(Customer\_name,Thana,District,PotsOffice,PostCode)

values('sadman','chittagong sadar','chitagong','chawkbazar','4203')

select \*

from customer\_information

where district='comilla';

select \*

from customer\_information

where district !='dhaka';

select \*

from customer\_information

where district='dinajpur' or

district = 'thakurgaon';

select \*

from customer\_information

where potsOffice = 'dhaka GPO' or

potsOffice = 'jalalabad';

select \*

from customer\_information

where district != 'chittagong' and

postCode='1000' or

postCode='1215';

create table account

(

accountID integer primary key,

accountType varchar (20) not null,

balance integer not null,

cusrtomer\_id integer FOREIGN KEY REFERENCES Customer\_information (customer\_id)

)

insert into account

values (10308, 'savings',10000 ,1)

insert into account

values (10309, 'current',50000 ,2)

insert into account

values (10311, 'savings',70000 ,3)

insert into account

values (10312, 'savings',150000 ,4)

SELECT AccountID , Customer\_Name

FROM Account, customer\_information

WHERE Account.cusrtomer\_Id = customer\_information.Customer\_id

SELECT AccountID, customer\_name

FROM account

INNER JOIN customer\_information ON Account.Cusrtomer\_id = customer\_information.Customer\_id

SELECT customer\_information.customer\_name,account.accountID

FROM customer\_information

LEFT JOIN account ON customer\_information.Customer\_id = account.cusrtomer\_id

SELECT customer\_information.customer\_name,customer\_information.District,account.accountID

FROM account

RIGHT JOIN customer\_information ON account.cusrtomer\_id = customer\_information.Customer\_id

SELECT \*

FROM customer\_information

FULL outer JOIN account ON customer\_information.Customer\_id=account.cusrtomer\_id

ORDER BY customer\_information.Customer\_name

SELECT \*

FROM customer\_information

ORDER BY Customer\_name ASC















