



AMERICAN INTERNATIONAL UNIVERSITY–BANGLADESH (AIUB)

FACULTY OF SCIENCE & TECHNOLOGY

Introduction To Database

Summer 2020-2021

Section: K, Group: 1.

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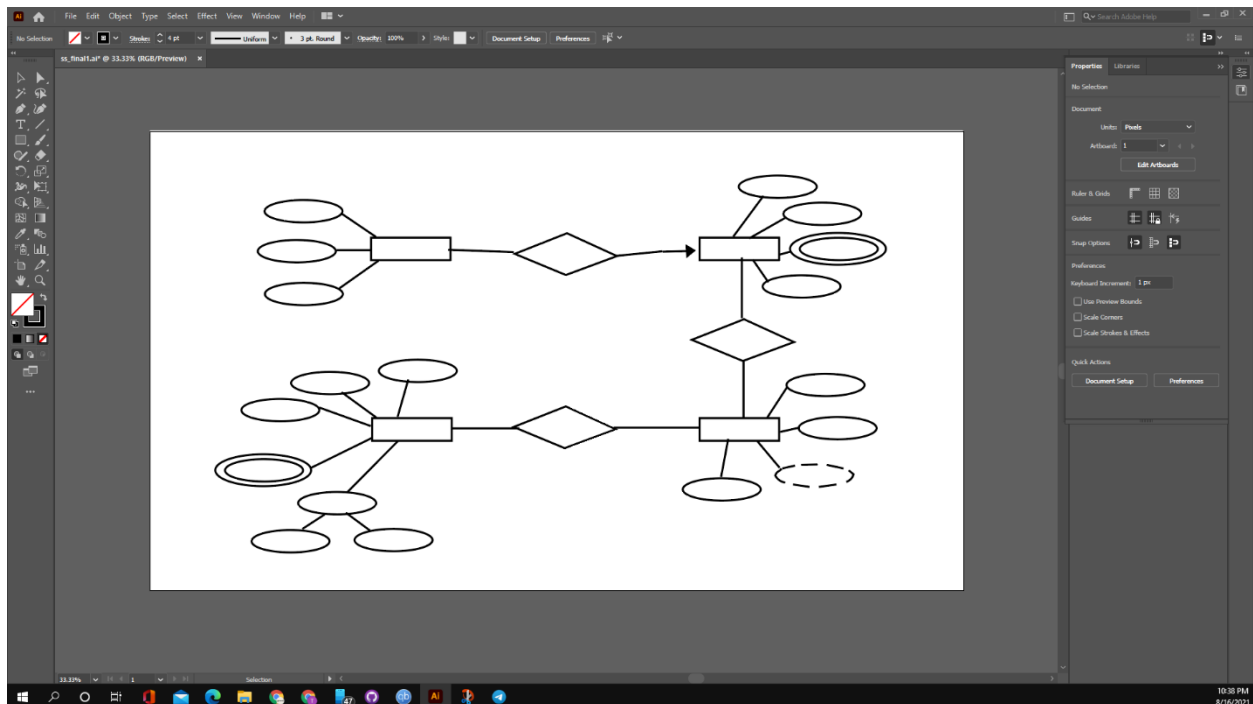
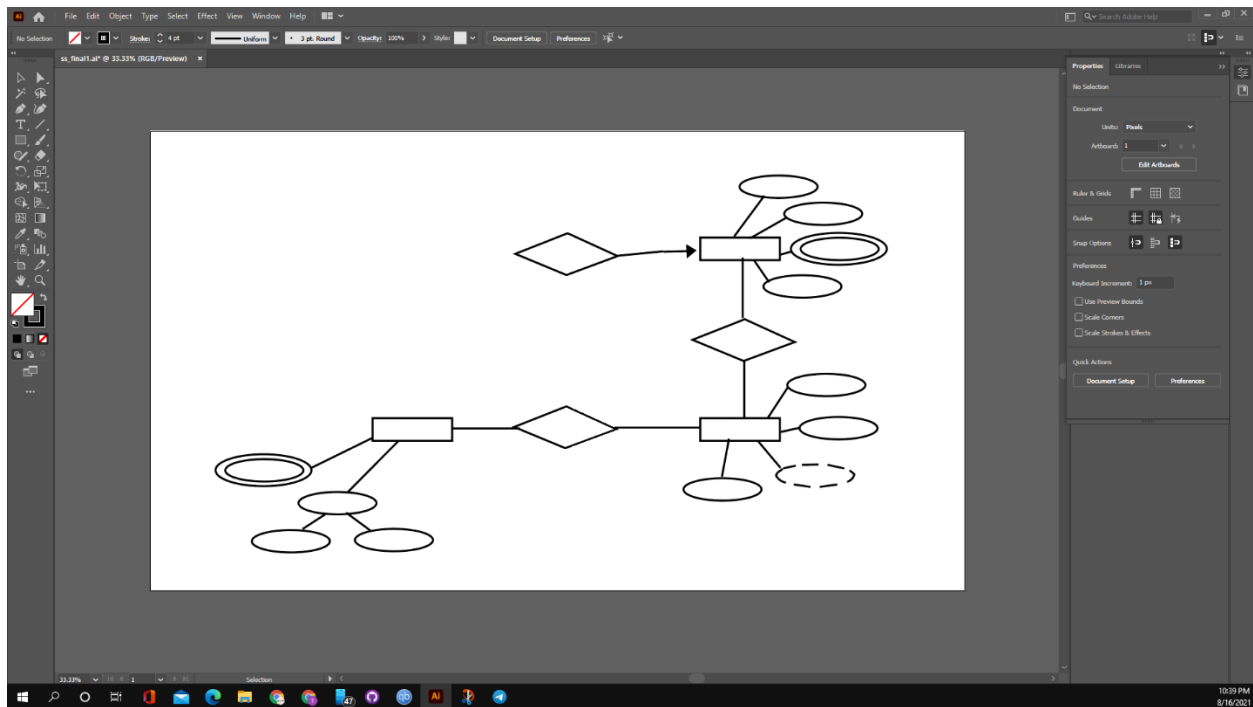
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Women's Ride Sharing Management

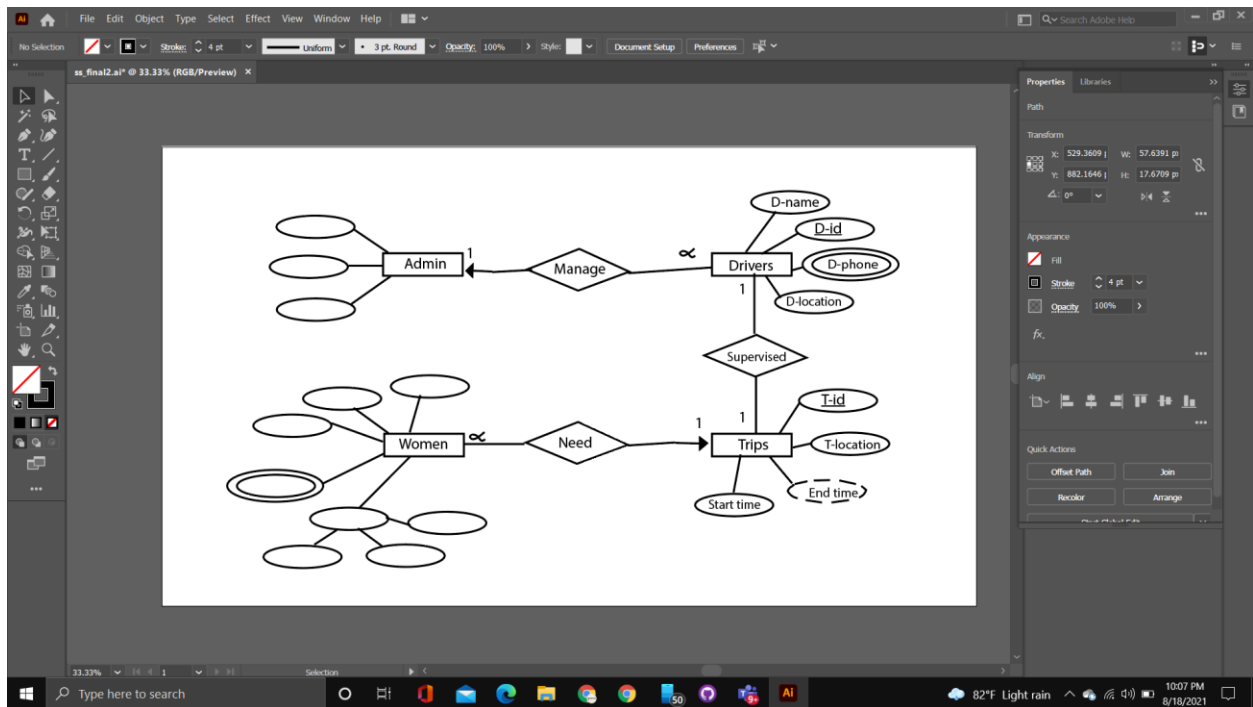
Women's ride-sharing is the first traveling management in Bangladesh for women. Women's ride-sharing has a strong management for maintaining the whole system. A Admin has A_ID, A_name, A_phone. In Women's ride-sharing management system there are many drivers who controlled by the Admin. The attributes of drivers include D_ID, D_name, D_phone, D_mail, D_age. Admin manages all drivers. The location to be traveled, starting time, and end time shall be provided in women's ride-sharing. Women can choose trips from online by visiting Women's ride-sharing app. A Trip has T_ID, T_location, Start_Time, End_time. One trip can be chosen by one women. Women has some attributes include W_id, W_name, W_age, Date_of_Birth, Address. A women's address is composed of street_name, and city. One admin can manage many drivers.

ER- Diagram

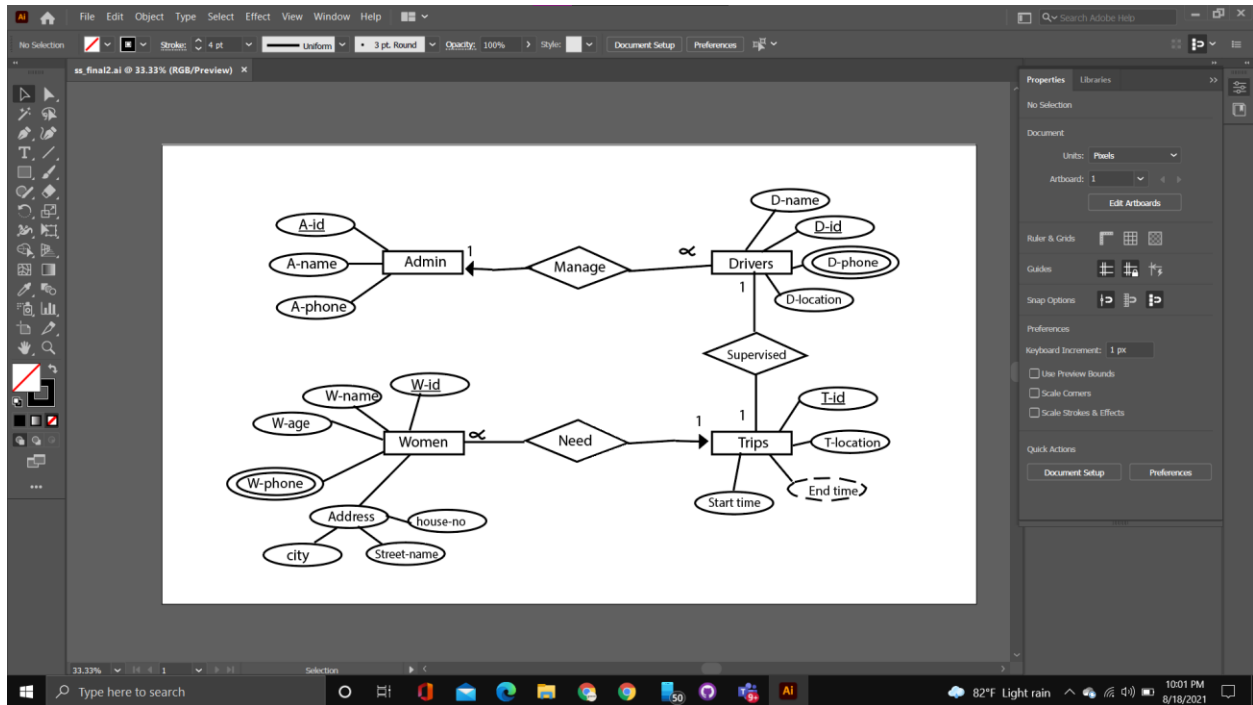
Initial :



Middle:



Final:



Normalization:

Manage

(A_ID, A_name, A_phone, D_ID, D_name, D_phone, D_location)

1NF:

A_ID, D_ID, D_ID

D_ID is multivalued

2NF:

A_ID, A_name, A_phone

D_ID, D_name, D_phone, D_location

3NF:

A_ID, A_name, A_phone

D_ID, D_name, D_phone, D_location

No Transitive dependency.

Table from Manage:

1. A_ID, A_name, A_phone
2. D_ID, D_name, D_phone, D_location, A_ID
3. D_ID, D_phone

Supervised

D-ID, D_name, D_phone, D_location, T_ID, T_location, Start_time, End_time.

1NF

D_ID, T_ID, D_phone

D_phone is multivalued

2NF

D-ID, D_name, D_phone, D_location,

T_ID, T_location, Start_time, End_time.

3NF

D-ID, D_name, D_phone, D_location,

T_ID, T_location, Start_time, End_time.

No Transitive Dependency.

Table from Supervised

1. D-ID, D_name, D_phone, D_location, T_ID,
2. T_ID, T_location, Start_time, End_time.
3. D_ID, D_phone

Need

T_ID, T_location, Start_time, End_time.

W_ID, W_name, W_age, W_phone, city, Street_name.

1NF

T_ID, W_ID, W_phone

W_phone is multivalued

2NF

T_ID, T_location, Start_time, End_time.

W_ID, W_name, W_age, W_phone, city, Street_name.

3NF

T_ID, T_location, Start_time, End_time.

W_ID, W_name, W_age, W_phone, H_no, city, Street_name.

Table from Need

1. T_ID, T_location, Start_time, End_time.
2. W_ID, W_name, W_age, W_phone, H_no, T_ID

3. H_no, city, Street_name.

4. W_ID, W_phone

Final Table

1. A_ID, A_name, A_phone.

2. D-ID, D_name, D_phone, D_location, A_ID

3. D-ID, D_phone,

4. D-ID, D_name, D_phone, D_location, T_ID,

5. T_ID, T_location, Start_time, End_time.

6. W_ID, W_name, W_age, W_phone, H_no, T_ID

7. H_no, city, Street_name.

8. W_ID, W_phone

TABLE CREATION & DATA INSERTION:

Table Admin:

```
create table admin1(A_ID number(12) primary key, A_Name varchar(32), A_phone  
number(12));
```










```
insert into admin1(A_ID, A_Name, A_phone) values (001, 'Amy', 01848);
```

```
insert into admin1(A_ID, A_Name, A_phone) values (002, 'Bilal', 04862);
```

```
insert into admin1(A_ID, A_Name, A_phone) values (003, 'Rahman', 07800);
```

```
select *
```

```
from admin1;
```

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Home > SQL > **SQL Commands**

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```
create table admin1(A_ID number(12) primary key, A_Name varchar(32), A_phone number(12));  
insert into admin1(A_ID, A_Name, A_phone) values (001, 'Amy', 01848);  
insert into admin1(A_ID, A_Name, A_phone) values (002, 'Bilal', 04862);  
insert into admin1(A_ID, A_Name, A_phone) values (003, 'Rahman', 07800);  
  
select *  
from admin1;
```

Results Explain Describe Saved SQL History

A_ID	A_NAME	A_PHONE
1	Amy	1848
2	Bilal	4862
3	Rahman	7800

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

Table DriverD:

```
create table driverD(D_ID number(12) primary key, D_Name varchar(32),  
D_Location varchar2(32), D_phone number(12), AID number(12), foreign  
key(AID) references admin1(A_ID));
```

```
insert into driverD(D_ID, D_Name, D_Location, D_phone, AID) values (101,  
'Karim', 'Uttara', 033881, 002);
```

```
insert into driverD(D_ID, D_Name, D_Location, D_phone, AID) values (102,  
'Rahim', 'Mirpur', 056781, 003);
```

```
insert into driverD(D_ID, D_Name, D_Location, D_phone, AID) values (103,  
'Shojol', 'Farmgate', 800024, 001);
```

select *

From driverD;

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```
2) create table driverD(D_ID number(12) primary key, D_Name varchar(32), D_Location varchar2(32), D_phone number(12), AID number(12), foreign key(AID) references admin(A_ID));  
  
insert into driverD(D_ID, D_Name, D_Location, D_phone, AID) values (101, 'Karim', 'Uttara', 033881, 002);  
insert into driverD(D_ID, D_Name, D_Location, D_phone, AID) values (102, 'Rahim', 'Mirpur', 056781, 003);  
insert into driverD(D_ID, D_Name, D_Location, D_phone, AID) values (103, 'Shojol', 'Farmgate', 800024, 001);  
  
select *  
from driverD;
```

Results Explain Describe Saved SQL History

D_ID	D_NAME	D_LOCATION	D_PHONE	AID
101	Karim	Uttara	33881	2
102	Rahim	Mirpur	56781	3
103	Shojol	Farmgate	800024	1

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

Table DriverP:

create table driverP(DID number(12), foreign key(DID) references driver(D_ID),
D_phone number(12));

insert into driverP(DID, D_phone) values (101, 033881);

insert into driverP(DID, D_phone) values (101, 064281);

insert into driverP(DID, D_phone) values (101, 022222);

insert into driverP(DID, D_phone) values (102, 056781);

insert into driverP(DID, D_phone) values (102, 220012);

insert into driverP(DID, D_phone) values (103, 800024);

insert into driverP(DID, D_phone) values (103, 588662);

select*

From driverP;

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```
3) create table driverP(DID number(12), foreign key(DID) references driver(D_ID), D_phone number(12));  
  
insert into driverP(DID, D_phone) values (101, 033881);  
insert into driverP(DID, D_phone) values (101, 064281);  
insert into driverP(DID, D_phone) values (101, 022222);  
insert into driverP(DID, D_phone) values (102, 056781);  
insert into driverP(DID, D_phone) values (102, 220012);  
insert into driverP(DID, D_phone) values (103, 800024);  
insert into driverP(DID, D_phone) values (103, 588662);  
  
select*  
from driverP;  
|
```

Results Explain Describe Saved SQL History

DID	D_PHONE
101	33881
101	64281
101	22222
102	56781
102	220012
103	800024
103	588662

7 rows returned in 0.02 seconds

[CSV Export](#)

Table D1:

create table d1(D_ID number(12) primary key, D_Name varchar(32), D_Location varchar2(32), D_phone number(12), TID number(12), foreign key(TID) references trip(T_ID));

insert into d1(D_ID, D_Name, D_Location, D_phone, TID) values (101, 'Karim', 'Uttara', 1122, 201);

insert into d1(D_ID, D_Name, D_Location, D_phone, TID) values (102, 'Rahim', 'Mirpur', 2266, 203);

insert into d1(D_ID, D_Name, D_Location, D_phone, TID) values (103, 'Shojol', 'Farmgate', 3338, 202);

select *

From d1;

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```
4) create table d1(D_ID number(12) primary key, D_Name varchar(32), D_Location varchar2(32), D_phone number(12), TID number(12), foreign key(TID) references trip(T_ID));
insert into d1(D_ID, D_Name, D_Location, D_phone, TID) values (101, 'Karim', 'Uttara', 1122, 201);
insert into d1(D_ID, D_Name, D_Location, D_phone, TID) values (102, 'Rahim', 'Mirpur', 2266, 203);
insert into d1(D_ID, D_Name, D_Location, D_phone, TID) values (103, 'Shojol', 'Farmgate', 3338, 202);

select *
from d1;
```

Results Explain Describe Saved SQL History

D_ID	D_NAME	D_LOCATION	D_PHONE	TID
101	Karim	Uttara	1122	201
102	Rahim	Mirpur	2266	203
103	Shojol	Farmgate	3338	202

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

Table TripT:

```
create table tripT(T_ID number(12) primary key, T_Location varchar2(32),  
Start_Time float(12), End_Time float(12));
```

```
insert into tripT(T_ID, T_Location, Start_Time, End_Time) values (201,  
'Bashundhara', 14.00, 14.30);
```

```
insert into tripT(T_ID, T_Location, Start_Time, End_Time) values (202,  
'Baridhara', 10.00, 12.00);
```

```
insert into tripT(T_ID, T_Location, Start_Time, End_Time) values (203, 'Gulshan',  
8.00, 10.00);
```

```
select *
```

```
from tripT;
```

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```
5) create table tripT(T_ID number(12) primary key, T_Location varchar2(32), Start_Time float(12), End_Time float(12));  
insert into tripT(T_ID, T_Location, Start_Time, End_Time) values (201, 'Bashundhara', 14.00, 14.30);  
insert into tripT(T_ID, T_Location, Start_Time, End_Time) values (202, 'Baridhara', 10.00, 12.00);  
insert into tripT(T_ID, T_Location, Start_Time, End_Time) values (203, 'Gulshan', 8.00, 10.00);  
select *  
from tripT;
```

Results Explain Describe Saved SQL History

T_ID	T_LOCATION	START_TIME	END_TIME
201	Bashundhara	14	14.3
202	Baridhara	10	12
203	Gulshan	8	10

3 rows returned in 0.00 seconds

[CSV Export](#)

Table Women:

create table women(W_ID number(12) primary key, W_Name varchar(32), W_age number(10), H_No number(10), W_phone number(12), TID number(12), foreign key(TID) references trip(T_ID));

insert into women(W_ID, W_Name, W_age, H_No, W_phone, TID) values (301, 'Jade', 24, 118, 2001, 202);

insert into women(W_ID, W_Name, W_age, H_No, W_phone, TID) values (302, 'Perrie', 28, 118, 3887, 202);

insert into women(W_ID, W_Name, W_age, H_No, W_phone, TID) values (303, 'Anne', 30, 118, 6778, 202);

insert into women(W_ID, W_Name, W_age, H_No, W_phone, TID) values (304, 'Ariana', 35, 102, 8223, 201);

insert into women(W_ID, W_Name, W_age, H_No, W_phone, TID) values (305, 'Alisha', 42, 116, 1111, 203);

insert into women(W_ID, W_Name, W_age, H_No, W_phone, TID) values (306, 'Arya', 12, 116, 2323, 203);

insert into women(W_ID, W_Name, W_age, H_No, W_phone, TID) values (307, 'Emma', 20, 142, 2666, 201);

select*

From women;

User: SCOTT

Home > SQL > SQL Commands

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```
6) create table women(W_ID number(12) primary key, W_Name varchar(32), W_age number(10), H_No number(10), W_phone number(12), TID number(12), foreign key(TID) references trip(T_ID));

insert into women(W_ID, W_Name, W_age, H_No, W_phone, TID) values (301, 'Jade', 24, 118, 2001, 202);
insert into women(W_ID, W_Name, W_age, H_No, W_phone, TID) values (302, 'Perrie', 28, 118, 3887, 202);
insert into women(W_ID, W_Name, W_age, H_No, W_phone, TID) values (303, 'Anne', 30, 118, 6778, 202);
insert into women(W_ID, W_Name, W_age, H_No, W_phone, TID) values (304, 'Ariana', 35, 102, 8223, 201);
insert into women(W_ID, W_Name, W_age, H_No, W_phone, TID) values (305, 'Alisha', 42, 116, 1111, 203);
insert into women(W_ID, W_Name, W_age, H_No, W_phone, TID) values (306, 'Arya', 12, 116, 2323, 203);
insert into women(W_ID, W_Name, W_age, H_No, W_phone, TID) values (307, 'Emma', 20, 142, 2666, 201);

select *
from women;
```

Results Explain Describe Saved SQL History

W_ID	W_NAME	W_AGE	H_NO	W_PHONE	TID
301	Jade	24	118	2001	202
302	Perrie	28	118	3887	202
303	Anne	30	118	6778	202
304	Ariana	35	102	8223	201
305	Alisha	42	116	1111	203
306	Arya	12	116	2323	203
307	Emma	20	142	2666	201

7 rows returned in 0.00 seconds

[CSV Export](#)

Table Houseno:

```
create table houseno (H_no number(12) primary key, city varchar(32),  
street_name varchar2(32));
```

```
insert into houseno(H_no, city, street_name) values ( 102, 'Dhaka', 'parkvilla');
```

```
insert into houseno(H_no, city, street_name) values ( 116, 'Dhaka', 'lakeside');
```

```
insert into houseno(H_no, city, street_name) values ( 118, 'Dhaka', 'president  
road');
```

```
insert into houseno(H_no, city, street_name) values ( 142, 'Dhaka', 'airport road');
```

```
select*
```

```
from houseno;
```

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```
7) create table houseno (H_no number(12) primary key, city varchar(32), street_name varchar2(32));  
  
insert into houseno(H_no, city, street_name) values ( 102, 'Dhaka', 'parkvilla');  
insert into houseno(H_no, city, street_name) values ( 116, 'Dhaka', 'lakeside');  
insert into houseno(H_no, city, street_name) values ( 118, 'Dhaka', 'president road');  
insert into houseno(H_no, city, street_name) values ( 142, 'Dhaka', 'airport road');  
  
select*  
from houseno;
```

Results Explain Describe Saved SQL History

H_NO	CITY	STREET_NAME
102	Dhaka	parkvilla
116	Dhaka	lakeside
118	Dhaka	president road
142	Dhaka	airport road

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

Table WInfo:

create table WInfo(WID number(12), foreign key(WID) references women(W_ID),
W_phone number(12));

insert into WInfo(WID, W_phone) values (301, 2001);

insert into WInfo(WID, W_phone) values (302, 3887);

insert into WInfo(WID, W_phone) values (302, 5555);

insert into WInfo(WID, W_phone) values (303, 6778);

insert into WInfo(WID, W_phone) values (303, 5888);

insert into WInfo(WID, W_phone) values (303, 1001);

insert into WInfo(WID, W_phone) values (304, 8223);

insert into WInfo(WID, W_phone) values (305, 1111);

insert into WInfo(WID, W_phone) values (306, 2323);

insert into WInfo(WID, W_phone) values (307, 2666);

select*

From WInfo;

User: SCOTT

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8) create table WInfo(WID number(12), foreign key(WID) references women(W_ID), W_phone number(12));

```
insert into WInfo(WID, W_phone) values (301, 2001);
insert into WInfo(WID, W_phone) values (302, 3887);
insert into WInfo(WID, W_phone) values (302, 5555);
insert into WInfo(WID, W_phone) values (303, 6778);
insert into WInfo(WID, W_phone) values (303, 5888);
insert into WInfo(WID, W_phone) values (303, 1001);
insert into WInfo(WID, W_phone) values (304, 8223);
insert into WInfo(WID, W_phone) values (305, 1111);
insert into WInfo(WID, W_phone) values (306, 2323);
insert into WInfo(WID, W_phone) values (307, 2666);
```

```
select*|
from WInfo;
```

Results Explain Describe Saved SQL History

WID	W_PHONE
301	2001
302	3887
302	5555
303	6778
303	5888
303	1001
304	8223
305	1111
306	2323
307	2666

10 rows returned in 0.00 seconds

[CSV Export](#)

Joining (1 Equijoin, 1 Outer join, 1 self- join):

EQI JOIN:

QUS: Display women name,age ,trip location and start time[EQUI-JOIN]

SELECT W.W_NAME,W.W_AGE,T.T_LOCATION, T.START_TIME

FROM WOMEN W, TRIPT T

WHERE W.TID= T.T_ID;

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following text:

```
JOINING:
1.EQI-JOIN:
QUS: Display women name,age ,trip location and start time[ EQUI-JOIN]
SELECT W.W_NAME,W.W_AGE,T.T_LOCATION, T.START_TIME
FROM WOMEN W, TRIPT T
WHERE W.TID= T.T_ID;
```

Below the SQL window, the Results tab is active, displaying a table with 7 rows and 4 columns: W_NAME, W_AGE, T_LOCATION, and START_TIME.

W_NAME	W_AGE	T_LOCATION	START_TIME
Emma	20	Bashundhara	14
Arlana	35	Bashundhara	14
Anne	30	Baridhara	10
Perrie	28	Baridhara	10
Jade	24	Baridhara	10
Arya	12	Gulshan	8
Alisha	42	Gulshan	8

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

Application Express 2.1.0.00.19
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SELF JOIN:

QUS: Write a query to display women name , trip location and trip start time using self join.

```
Select W.W_NAME || ' ' || T.T_LOCATION || ' trip will start at ' ||  
T.START_TIME
```

```
FROM WOMEN W, TRIPT T
```

```
WHERE W.TID = T.T_ID;
```

The screenshot shows the Oracle Database Express Edition interface. The SQL Command window contains the following query:

```
2.SELF JOIN:  
QUS:Write a query to display women name , trip location and trip start time using self join.  
Select W.W_NAME || ' ' || T.T_LOCATION || ' trip will start at ' || T.START_TIME  
FROM WOMEN W, TRIPT T  
WHERE W.TID = T.T_ID;
```

The Results window displays the following output:

W.W_NAME ' ' T.T_LOCATION 'TRIPWILLSTARTAT' T.START_TIME
Emma Bashundhara trip will start at 14
Ariana Bashundhara trip will start at 14
Anne Baridhara trip will start at 10
Perrie Baridhara trip will start at 10
Jade Baridhara trip will start at 10
Arya Gulshan trip will start at 8
Alisha Gulshan trip will start at 8

7 rows returned in 0.01 seconds CSV Export

OUTER JOIN:

QUS: Select all women name along with their trip ID and the trip location and then order it by the women trip ID.

```
SELECT W.W_NAME, T.T_ID, T.T_LOCATION
```

```
FROM WOMEN W, TRIP T
```

```
WHERE W.TID(+) = T.T_ID
```

```
ORDER BY W.TID;
```

The screenshot shows the Oracle Database Express Edition interface. The SQL command window contains the following query:

```
3. OUTER JOIN:  
QUS: Select all women name along with their trip ID and the trip location and then order it by the women trip ID.  
SELECT W.W_NAME, T.T_ID, T.T_LOCATION  
FROM WOMEN W, TRIP T  
WHERE W.TID(+) = T.T_ID  
ORDER BY W.TID;
```

The Results tab shows the following data:

W_NAME	T_ID	T_LOCATION
Emma	201	Bashundhara
Ariana	201	Bashundhara
Pattie	202	Baridhara
Anne	202	Baridhara
Jade	202	Baridhara
Alisha	203	Gulshan
Anya	203	Gulshan
-	204	Gazipur
-	206	Gazipur
-	207	Gazipur

More than 10 rows available. Increase rows selector to view more rows.
10 rows returned in 0.00 seconds [CSV Export](#)

The bottom of the screenshot shows the Windows taskbar with the search bar and various application icons. The system tray displays the temperature as 84°F and the date as 17-Aug-21.

Subquery (4 among these use group function in 2 subqueries):

Qus 01:

Write a query to display women name and age where women id is greater than 303.

Select W_Name, W_age

FROM WOMEN

Where W_ID IN (Select W_ID

From WInfo

Where W_ID > 303);

The screenshot shows the Oracle Database Express Edition interface. The SQL command window contains the following query:

```
subq:
1. Write a query to display women name and age where women id is greater than 303.
Select W_Name, W_age
FROM WOMEN
Where W_ID IN ( Select W_ID
                From WInfo
                Where W_ID > 303);
```

The Results window displays the following data:

W_NAME	W_AGE
Ariana	35
Alsha	42
Arya	12
Emma	20

4 rows returned in 0.00 seconds

Application Express 2.1.0.00.39
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Qus 02:

Write a query to display trip location ,trip start and end time where trip id is smaller than 205.

Select T_Location, Start_Time, End_Time

FROM tripT

Where T_ID IN (Select T_ID

From women

Where T_ID < 205);

The screenshot shows the Oracle Database Express Edition interface. The SQL command window contains the following query:

```
2. Write a query to display trip location ,trip start and end time where trip id is 205.  
Select T_Location, Start Time, End Time  
FROM tripT  
Where T_ID IN ( Select T_ID  
From women  
Where T_ID < 205);
```

The results window displays the following data:

T_LOCATION	START_TIME	END_TIME
Gazipur	8	10
Bashundhara	14	14.3
Baridhara	10	12
Gulshan	8	10

4 rows returned in 0.00 seconds

At the bottom of the interface, the Windows taskbar is visible, showing the system clock as 9:59 PM on 17-Aug-21.

Qus 03:

Write a query to display all information of drivers who's ID is lowest.

```
SELECT*  
FROM DRIVERD  
WHERE D_ID IN(SELECT MIN(D_ID)  
FROM DRIVERD  
GROUP BY AID );
```

The screenshot shows the Oracle Database Express Edition SQL Command window. The query entered is:

```
3..Write a query to display all information of drivers who's ID is lowest.  
SELECT*  
FROM DRIVERD  
WHERE D_ID IN(SELECT MIN(D_ID)  
FROM DRIVERD  
GROUP BY AID );
```

The results are displayed in a table with 4 columns: D_ID, D_NAME, D_LOCATION, D_PHONE, and AID. The table contains 3 rows of data:

D_ID	D_NAME	D_LOCATION	D_PHONE	AID
101	Karim	Uttara	33881	2
102	Rahim	Mispor	56781	3
103	Shojol	Farmgate	800024	1

3 rows returned in 0.00 seconds

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Qus 04:

Write a query to display all information of Women's who's ID is highest.

```
SELECT*  
FROM WOMEN  
WHERE W_ID IN(SELECT MAX(W_ID)  
FROM WOMEN  
GROUP BY TID );
```

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following query:

```
4. Write a query to display all information of Women's who's ID is highest.  
  
SELECT*  
FROM WOMEN  
WHERE W_ID IN(SELECT MAX(W_ID)  
FROM WOMEN  
GROUP BY TID );
```

The Results window displays the following data:

W_ID	W_NAME	W_AGE	H_NO	W_PHONE	TID
303	Anne	30	118	6778	202
306	Arya	12	116	2323	203
307	Emma	20	142	2666	201

3 rows returned in 0.02 seconds

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View:

```
CREATE VIEW Complex_View(A_ID, A_Name,D_ID, D_Name, D_Location)
```

```
AS SELECT A.A_ID,A.A_NAME,D.D_ID,D.D_NAME,D.D_LOCATION
```

```
FROM ADMIN1 A , DRIVER D
```

```
WHERE A.A_ID = D.AID;
```

```
SELECT*
```

```
FROM Complex_View;
```

The screenshot shows the Oracle Database Express Edition interface. The SQL Command window contains the following commands:

```
select *  
from driver;  
  
CREATE VIEW Complex_View(A_ID, A_Name,D_ID, D_Name, D_Location)  
AS SELECT A.A_ID,A.A_NAME,D.D_ID,D.D_NAME,D.D_LOCATION  
FROM ADMIN1 A , DRIVER D  
WHERE A.A_ID = D.AID;  
  
SELECT*  
FROM Complex_View;
```

The Results tab shows the output of the last query, displaying a table with 9 rows and 5 columns: A_ID, A_NAME, D_ID, D_NAME, and D_LOCATION.

A_ID	A_NAME	D_ID	D_NAME	D_LOCATION
1	Amy	101	Karim	Uttara
1	Amy	102	Rahim	Mipur
2	Bilal	103	Shojol	Farmgate
3	Rahman	104	Mahin	Uttara
1	Amy	105	Mofiz	Badda
1	Amy	106	Hasan	Khalgaon
3	Rahman	107	Kamal	Tongi
2	Bilal	108	Talukdar	Mipur
3	Rahman	109	Mukbul	Airport

9 rows returned in 0.00 seconds

CONSTRAINTS:

create table New_women(W_ID NUMBER(12) NOT NULL ,W_Name varchar(32)
default 'No Name',

W_age number(10) check (W_AGE>= 25), H_No number(10), W_phone
number(12) unique,TID number(12));

describe New_women;

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following text:

```
CONSTRAINTS:  
  
create table New_women(W_ID NUMBER(12) NOT NULL ,W_Name varchar(32) default 'No Name',  
W_age number(10) check (W_AGE>= 25), H_No number(10), W_phone number(12) unique,TID number(12));  
describe New_women;
```

Below the SQL window, the 'Describe' tab is selected, showing the table structure for 'NEW_WOMEN'.

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
NEW_WOMEN	W_ID	Number	-	12	0	-	-	-	-
	W_NAME	Varchar2	32	-	-	-	✓	'No Name'	-
	W_AGE	Number	-	10	0	-	✓	-	-
	H_NO	Number	-	10	0	-	✓	-	-
	W_PHONE	Number	-	12	0	-	✓	-	-
	TID	Number	-	12	0	-	✓	-	-

At the bottom right of the table, it says '1 - 6'.

The footer of the Oracle interface shows 'Application Express 2.1.0.00.39' and 'Copyright © 1999, 2006, Oracle. All rights reserved.'