



AMERICAN INTERNATIONAL UNIVERSITY BANGLADESH

COURSE: INTRODUCTION TO DATABASE

PROJECT TITLE: FOOD DELIVERY MANAGEMENT SYSTEM

GROUP NUMBER: 10

SEMESTER: FALL

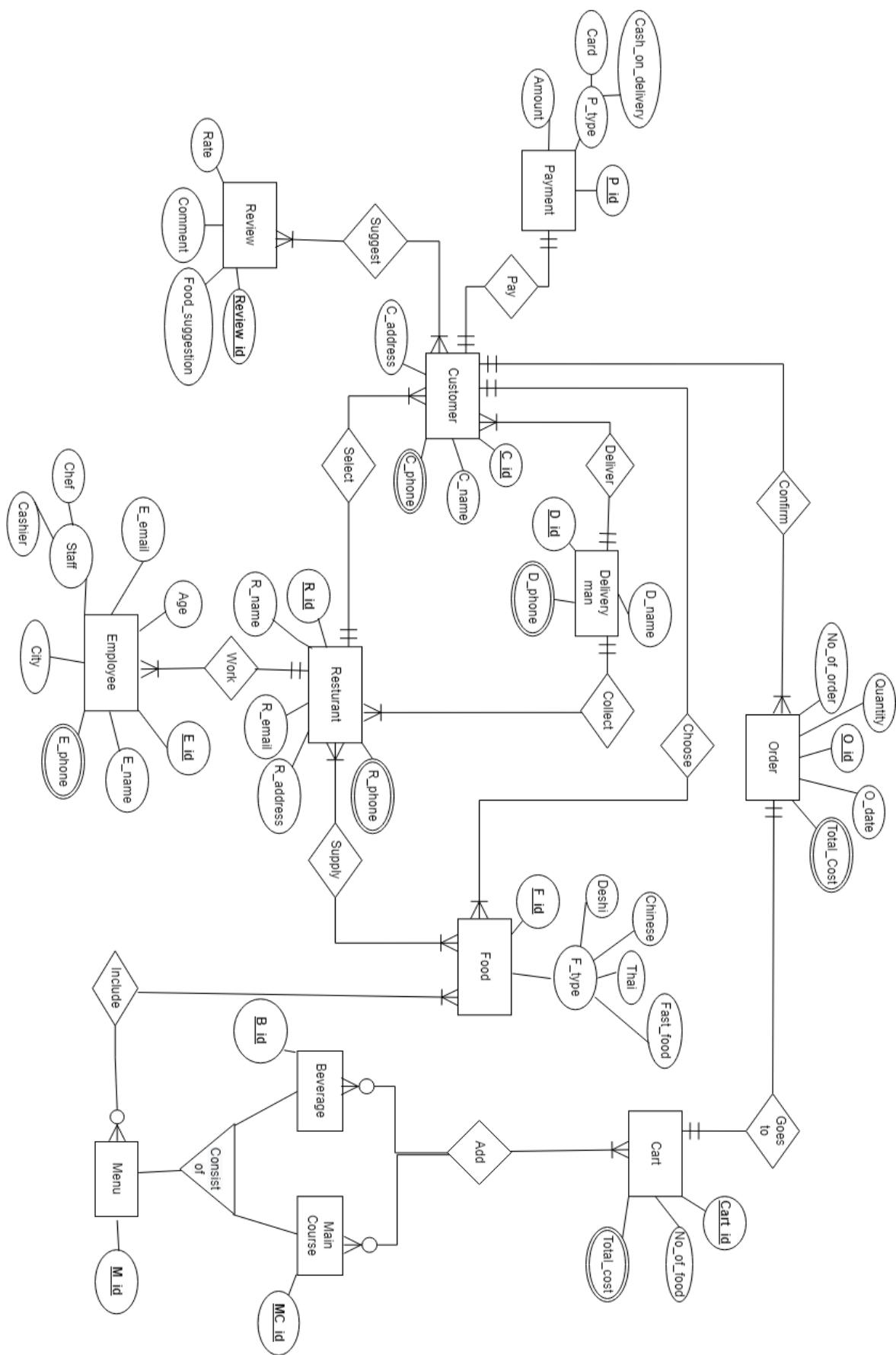
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CASE STUDY:1

A food delivery app wants to create a database management system. The system consists of many restaurants. Each restaurant has a unique id. Restaurant also contains name, type, rating. Employees work for the restaurant. Employees are identified by a unique id. The system contains name, email, city, age, phone, staff (chef, cashier) for employees. Customer can select from many restaurants. Customer is introduced with a personal id. Customer also contains name, address, phone, password. Customer choose food from Restaurants. Each foods have a unique id. The system also contains types of food like Thai, Chinese, Deshi and fast-food. Food is included in the menu with a unique id. Menu consists of main course and beverage both having a unique id. Selected food from menu is added to the cart. Cart has unique id, no of food and total cost. The cart finally goes to order. The system contains a unique id for order. It also has no of order, order date, quantity and total cost. The order is confirmed by the customer. Now the system proceeds to payment. The payment has an unique id. Payment contains total amount and method of payment. Customer can pay via card or cash on delivery. The food is collected from restaurant and delivered to customer by a delivery man. Delivery man have an unique id, name and phone number. A delivery man can supply food to many customers. The customer can suggest reviews in the system. Review contains unique id, food suggestions, comments and ratings.

ER Diagram:



NORMALIZATION:

DELIVERY MAN COLLECT RESTAURANT

UNF:

COLLECT (R_ID, R_NAME, R_EMAIL, R_ADDRESS, D_ID, D_NAME, D_PHONE)

1NF:

D_PHONE, R_PHONE MULTIVALUED ATTRIBUTE.

2NF:

1. R_ID, R_NAME, R_EMAIL, R_ADDRESS, D_ID
2. D_ID, D_NAME, D_PHONE

3NF:

NO TRANSITIVE DEPENDENCY

1. R_ID, R_NAME, R_EMAIL, R_ADDRESS, D_ID
2. D_ID, D_NAME, D_PHONE

TABLE:

1. R_ID, R_NAME, R_EMAIL, R_ADDRESS, D_ID
2. D_ID, D_NAME, D_PHONE

DELIVERY MAN ~~DELIVER~~ CUSTOMER

UNF:

DELIVER (D_ID, D_NAME, D_PHONE, C_ID, C_NAME, C_PHONE, C_ADDRESS)

1NF:

C_PHONE, D_PHONE MULTIVALUED ATTRIBUTE.

2NF:

- 1.D_ID, D_NAME, D_PHONE
- 2.C_ID, C_NAME, C_ADDRESS, C_PHONE, D_ID

3NF:

NO TRANSITIVE DEPENDENCY

- 1.D_ID, D_NAME, D_PHONE
- 2.C_ID, C_NAME, C_ADDRESS, C_PHONE, D_ID

TABLE:

- 1.D_ID, D_NAME, D_PHONE
- 2.C_ID, C_NAME, C_ADDRESS, C_PHONE, D_ID

CUSTOMER CONFIRM ORDER

UNF:

CONFIRM (C_ID, C_NAME, C_PHONE, C_ADDRESS, O_ID,
O_DATE, QUANTITY, TOTAL COST, NO_OF_ORDER)

1NF:

C_PHONE MULTIVALUED ATTRIBUTE

2NF:

1. C_ID, C_NAME, C_PHONE, C_ADDRESS
2. O_ID, O_DATE, QUANTITY, TOTAL COST, NO_OF_ORDER

3NF:

1. C_ID, C_NAME, C_PHONE, C_ADDRESS
2. O_ID, O_DATE
3. QTN_ID, QUANTITY, TOTAL COST, NO_OF_ORDER

TABLE:

1. C_ID, C_NAME, C_PHONE, C_ADDRESS
2. O_ID, O_DATE
3. QTN_ID, QUANTITY, TOTAL COST, NO_OF_ORDER

EMPLOYEE WORKS RESTURANT

UNF:

WORKS (E_ID, E_NAME, E_EMAIL, E_CITY, E_PHONE, STAFF, CHEF, CASHIER,
R_ID, R_NAME, R_EMAIL, R_CITY, R_PHONE)

1NF:

E_PHONE, R_PHONE MULTIVALUED ATTRIBUTE.

2NF:

- 1.E_ID, E_NAME, E_EMAIL, E_CITY, AGE, E_PHONE, STAFF, CHEF, CASHIER
2. R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE.

3NF:

NO TRANSITIVE DEPENDENCY

- 1.E_ID, E_NAME, E_EMAIL, E_CITY, AGE, E_PHONE, STAFF, CHEF, CASHIER
2. R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE.

TABLE:

- 1.E_ID, E_NAME, E_EMAIL, E_CITY, AGE, E_PHONE, STAFF, CHEF, CASHIER
2. R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE.

FOOD INCLUDE MENU

UNF:

INCLUDE (F_ID, F_TYPE, DESHI, THAI, CHINESEE, FAST FOOD, M_ID)

1NF:

NO MULTIVALUED ATTRIBUTE

2NF:

1. F_ID, F_TYPE, DESHI, THAI, CHINESEE, FAST FOOD
2. M_ID
3. FM_ID, F_ID, M_ID

3NF:

NO TRANSITIVE DEPENDENCY

1. F_ID, F_TYPE, DESHI, THAI, CHINESEE, FAST FOOD
2. M_ID
3. FM_ID, F_ID, M_ID

TABLE:

1. F_ID, F_TYPE, DESHI, THAI, CHINESEE, FAST FOOD
2. M_ID
3. FM_ID, F_ID, M_ID

CUSTOMER SUGGEST REVIEW

UNF:

SUGGEST (C_ID, C_NAME, C_PHONE, C_ADDRESS, REVIEW_ID,
FOOD_SUGGESTIONS, COMMENTS, RATE)

1NF:

C_PHONE MULTIVALUED ATTRIBUTE

2NF:

- 1.C_ID, C_NAME, C_PHONE, C_ADDRESS
- 2.REVIEW_ID, FOOD_SUGGESTIONS, COMMENTS, RATE
- 3.CRE_ID, C_ID, REVIEW_ID

3NF:

NO TRANSITIVE DEPENDENCY

- 1.C_ID, C_NAME, C_PHONE, C_ADDRESS
- 2.REVIEW_ID, FOOD_SUGGESTIONS, COMMENTS, RATE
- 3.CRE_ID, C_ID, REVIEW_ID

TABLE:

- 1.C_ID, C_NAME, C_PHONE, C_ADDRESS
2. REVIEW_ID, FOOD_SUGGESTIONS, COMMENTS, RATE
- 3.CRE_ID, C_ID, REVIEW_ID

CUSTOMER PAY PAYMENT

UNF:

PAY (C_ID, C_NAME, C_PHONE, C_ADDRESS, P_ID, AMOUNT, P_TYPE,
CASH_ON_DELIVERY, CARD)

1NF:

C_PHONE MULTIVALUED ATTRIBUTE

2NF:

1. C_ID, C_NAME, C_PHONE, C_ADDRESS P_ID, AMOUNT, P_TYPE,
2. CASH_ON_DELIVERY, CARD CP_ID, P_ID, C_ID

3NF:

NO TRANSITIVE DEPENDENCY

- 1.C_ID, C_NAME, C_PHONE, C_ADDRESS
- 2.P_ID, AMOUNT, P_TYPE, CASH_ON_DELIVERY, CARD
3. CP_ID, P_ID, C_ID

TABLE:

- 1.C_ID, C_NAME, C_PHONE, C_ADDRESS
2. P_ID, AMOUNT, P_TYPE, CASH_ON_DELIVERY, CARD
- 3.CP_ID, P_ID, C_ID

CUSTOMER SELECT RESTAURANT

UNF:

SELECT (C_ID, C_NAME, C_PHONE, C_ADDRESS, R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE)

1NF:

R_PHONE, C_PHONE MULTIVALUED ATTRIBUTE

2NF:

1.C_ID, C_NAME, C_PHONE, C_ADDRESS

2 R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID

3NF:

NO TRANSITIVE DEPENDENCY

1.C_ID, C_NAME, C_PHONE, C_ADDRESS

2. R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID

Table:

1.C_ID, C_NAME, C_PHONE, C_ADDRESS

2. R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID

RESTAURANT SUPPLY FOOD

SUPPLY (R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, F_ID,
F_TYPE, DESHI, THAI, CHINESEE, FAST FOOD)

1NF:

R_PHONE MULTIVALUED ATTRIBUTE

2NF:

- 1.R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE F_ID,
2. F_TYPE, DESHI, THAI, CHINESEE, FAST FOOD) FR_ID, R_ID, F_ID

3NF:

NO TRANSITIVE DEPENDENCY

- 1.R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE
- 2.F_ID, F_TYPE, DESHI, THAI, CHINESEE, FAST FOOD
- 3.FR_ID, R_ID, F_ID

TABLE:

- 1.R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE
- 2.F_ID, F_TYPE, DESHI, THAI, CHINESEE, FAST FOOD
- 3.FR_ID, R_ID, F_ID

MENU CONSIST OF BEVERAGE, MAIN COURSE

UNF:

Consist of (M_ID, B_ID, MC_ID)

1NF:

NO MULTIVALUED ATTRIBUTE

2NF:

- 1.M_ID
- 2.B_ID
- 3.MC_ID
- 4.MM_ID, M_ID, B_ID
- 5.MMB_ID, M_ID, B_ID

3NF:

NO TRANSITIVE DEPENDENCY

- 1.M_ID
- 2.B_ID
- 3.MC_ID
- 4.MM_ID, M_ID, B_ID
- 5.MMB_ID, M_ID, B_ID

TABLE:

- 1.M_ID
- 2.B_ID
- 3.MC_ID
- 4.MB_ID, M_ID, B_ID
- 5.MM_ID, M_ID, B_ID

BEVERAGE, MAIN COURSE ADD CART

UNF:

ADD (B_ID, MC_ID, MC_ID, CART_ID, NO_OF_FOOD, TOTAL_COST)

1NF:

TOTAL COST MULTIVALUED ATTRIBUTE

2NF:

- 1.B_ID
- 2.MC_ID
- 3.CART_ID, NO_OF_FOOD, TOTAL_COST

3NF:

NO TRANSITIVE DEPENDENCY

1. B_ID
- 2.MC_ID
- 3.CART_ID, NO_OF_FOOD, TOTAL_COST

TABLE:

1. B_ID
- 2.MC_ID
- 3.CART_ID, NO_OF_FOOD, TOTAL_COST

CART GOES TO ORDER

UNF:

GOES TO (CART_ID, NO_OF_FOOD, TOTAL_COST, O_ID,
O_DATE, QUANTITY, TOTAL COST, NO_OF_ORDER)

1NF:

TOTAL_COST MULTIVALUED ATTRIBUTE

2NF:

1.CART_ID, NO_OF_FOOD, TOTAL_COST, O_ID

2.O_ID, O_DATE, QUANTITY, TOTAL COST, NO_OF_ORDER

3NF:

NO TRANSITIVE DEPENDENCY

1.CART_ID, NO_OF_FOOD, TOTAL_COST, O_ID

2.O_ID, O_DATE, QUANTITY, TOTAL COST, NO_OF_ORDER

TABLE:

1.CART_ID, NO_OF_FOOD, TOTAL_COST, O_ID

2.O_ID, O_DATE, QUANTITY, TOTAL COST, NO_OF_ORDER

CUSTOMER CHOOSE FOOD

UNF:

CHOOSE (C_ID, C_NAME, C_PHONE, C_ADDRESS, F_ID, F_TYPE, DESHI, CHINESE, THAI, FAST_FOOD)

1NF:

C_PHONE MULTIVALUED ATTRIBUTE

2NF:

1. C_ID, C_NAME, C_PHONE, C_ADDRESS, F_ID
2. F_ID, F_TYPE, DESHI, CHINESE, THAI, FAST_FOOD

3NF:

NO TRANSITIVE DEPENDENCY

- 1.C_ID, C_NAME, C_PHONE, C_ADDRESS, F_ID
- 2.F_ID, F_TYPE, DESHI, CHINESE, THAI, FAST_FOOD

TABLE:

- 1.C_ID, C_NAME, C_PHONE, C_ADDRESS, F_ID
- 2.F_ID, F_TYPE, DESHI, CHINESE, THAI, FAST_FOOD

TOTAL TABLE

1. R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, D_ID

2. D_ID, D_NAME, D_PHONE

3. D_ID, D_NAME, D_PHONE

4. C_ID, C_NAME, C_PHONE, C_ADDRESS, D_ID

5. C_ID, C_NAME, C_PHONE, C_ADDRESS

6. O_ID, O_DATE

7. QTN_ID, QUANTITY, TOTAL COST, NO_OF_ORDER

8. E_ID, E_NAME, E_EMAIL, E_city, age, E_PHONE, STAFF, CHEF,
CASHIER

9. R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE

10. F_ID, F_TYPE, DESHI, THAI, CHINESEE, FAST FOOD

11. M_ID

12. FM_ID, F_ID, M_ID

13. C_ID, C_NAME, C_PHONE, C_ADDRESS

14. REVIEW_ID, FOOD_SUGGESTIONS, COMMENTS, RATE

15. CRE_ID, C_ID, REVIEW_ID

16. C_ID, C_NAME, C_PHONE, C_ADDRESS

17. P_ID, AMOUNT, P_TYPE, CASH_ON_DELIVERY, CARD

18. CP_ID, P_ID, C_ID

19. C_ID, C_NAME, C_PHONE, C_ADDRESS R_ID,

20. R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID

21. R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE

22. F_ID, F_TYPE, DESHI, THAI, CHINESEE, FAST FOOD

23. FR_ID, R_ID, F_ID

24.M_ID

25.B_ID

26.MC_ID

27. B_ID

28.MC_ID

29.MM_ID, M_ID, B_ID

30.MMB_ID, M_ID, B_ID

31.CART_ID, NO_OF_FOOD, TOTAL_COST

32.CART_ID, NO_OF_FOOD, TOTAL_COST, O_ID

33.O_ID, O_DATE, QUANTITY, TOTAL COST, NO_OF_ORDER

34. C_ID, C_NAME, C_PHONE, C_ADDRESS, F_ID

35. F_ID, F_TYPE, DESHI, CHINESE, THAI, FAST_FOOD

FINAL TABLE

serial	Table	Table name
1	<u>R_ID</u> , R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, D_ID	<u>Restaurant1</u>
2	<u>D_ID</u> , D_NAME, D_PHONE	<u>Delivery man</u>
3	<u>C_ID</u> , C_NAME, C_PHONE, C_ADDRESS, D_ID	<u>Customer1</u>
4	<u>QNT_ID</u> , QUANTITY, TOTAL COST, NO_OF_ORDER	<u>QNT</u>
5	<u>E_ID</u> , E_NAME, E_EMAIL, E_CITY, AGE, E_PHONE, STAFF, CHEF, CASHIER	<u>EMPLOYEE</u>
6	<u>F_ID</u> , F_TYPE, DESHI, THAI, CHINESEE, FAST FOOD	<u>FOOD</u>
7	<u>M_ID</u>	<u>MENU</u>
8	<u>FM_ID</u> , F_ID, M_ID	<u>FM</u>
9	<u>REVIEW1_ID</u> , FOOD_SUGGESTIONS, COMMENTS, RATE	<u>REVIEW1</u>
10	<u>P_ID</u> , AMOUNT, P_TYPE, CASH_ON_DELIVERY, CARD	<u>PAYMENT</u>
11	<u>R_ID</u> , R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID	<u>RESTURANR2</u>
12	<u>FR_ID</u> , R_ID, F_ID	<u>FR</u>
13	<u>B_ID</u>	<u>BEVERAGE</u>
14	<u>MC_ID</u>	<u>MAIN COURSE</u>
15	<u>MMB_ID</u> , M_ID, B_ID	<u>MMB</u>
16	<u>MMC_ID</u> , MC_ID, B_ID	<u>MMC</u>
17	<u>CART_ID</u> , NO_OF_FOOD, TOTAL_COST, O_ID	<u>CART</u>
18	<u>O_ID</u> , O_DATE, QUANTITY, TOTAL COST, NO_OF_ORDER	<u>ORD</u>
19	<u>C_ID</u> , C_NAME, C_PHONE, C_ADDRESS, F_ID	<u>CUSTOMER2</u>

TABLE CREATION

TABLE: DELIVERY_MAN

```
CREATE TABLE DELIVERY_MAN
(
D_ID NUMBER (20) CONSTRAINT D_ID_PK PRIMARY KEY,
D_NAME VARCHAR2(20) NOT NULL,
D_PHONE NUMBER (11) NOT NULL
);
DESC DELIVERY_MAN
```

User: HR

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```
create table delivery_man
(
d_id number(20) constraint d_id_pk primary key,
d_name varchar2(20) not null,
d_phone number(11) not null
);
desc delivery_man
```

Results Explain Describe Saved SQL History

Object Type TABLE Object DELIVERY_MAN

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DELIVERY_MAN	D_ID	Number	-	20	0	1	-	-	-
	D_NAME	Varchar2	20	-	-	-	-	-	-
	D_PHONE	Number	-	11	0	-	-	-	-

1 - 3

TABLE: RESTURANT 1

```
CREATE TABLE RESTURANT1
(
R_ID NUMBER (20) CONSTRAINT R_ID_PK PRIMARY KEY,
R_NAME VARCHAR2(20) NOT NULL,
R_EMAIL VARCHAR2(30) UNIQUE,
R_ADDRESS VARCHAR2(50),
R_PHONE NUMBER (10) NOT NULL,
D_ID NUMBER (10) CONSTRAINT RES_DEL_FK REFERENCES
DELIVERY_MAN (D_ID)
);
DESC RESTURANT1
```

User: HR

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```
create table Restaurant1
(
r_id number(20) constraint r_id_pk primary key,
r_name varchar2(20) not null,
r_email varchar2(30) unique,
r_address varchar2(50),
r_phone number(10) not null,
d_id number(10) constraint res_del_fk references delivery_man (d_id)
);
desc restaurant1
```

Results Explain Describe Saved SQL History

Object Type TABLE Object RESTURANT1

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
RESTURANT1	R_ID	Number	-	20	0	1	-	-	-
	R_NAME	Varchar2	20	-	-	-	-	-	-
	R_EMAIL	Varchar2	30	-	-	-	✓	-	-
	R_ADDRESS	Varchar2	50	-	-	-	✓	-	-
	R_PHONE	Number	-	10	0	-	-	-	-
	D_ID	Number	-	10	0	-	✓	-	-

127.0.0.1:8080/anex/?fb=4500:1003:2998514859575915:NQ::#

TABLE: CUSTOMER 1

```
CREATE TABLE CUSTOMER1
(
C_ID NUMBER (20) CONSTRAINT C_ID_PK PRIMARY KEY,
C_NAME VARCHAR2(20) NOT NULL,
C_ADDRESS VARCHAR2(50),
C_PHONE NUMBER (10) NOT NULL,
D_ID NUMBER (10) CONSTRAINT CUSTOMER_ID_FK REFERENCES
DELIVERY_MAN (D_ID)
);
DESC CUSTOMER1
```

User: HR

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```
CREATE TABLE CUSTOMER1
(
C_ID NUMBER(20) CONSTRAINT C_ID_PK PRIMARY KEY,
C_NAME VARCHAR2(20) NOT NULL,
C_ADDRESS VARCHAR2(50),
C_PHONE NUMBER(10) NOT NULL,
d_id number(10) constraint CUSTOMER_ID_fk references DELIVERY_MAN (d_id)
);
desc CUSTOMER1
```

Results Explain Describe Saved SQL History

Object Type TABLE Object CUSTOMER1

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUSTOMER1	C_ID	Number	-	20	0	1	-	-	-
	C_NAME	Varchar2	20	-	-	-	-	-	-
	C_ADDRESS	Varchar2	50	-	-	-	✓	-	-
	C_PHONE	Number	-	10	0	-	-	-	-
	D_ID	Number	-	10	0	-	✓	-	-

TABLE: QNT

```
CREATE TABLE QNT (
    QNT_ID NUMBER (20) CONSTRAINT QNT_ID_PK PRIMARY KEY,
    QUANTITY NUMBER (20) NOT NULL,
    TOTAL_COST NUMBER (10),
    NO_OF_ORDER NUMBER (10)
)
DESC QTN
```

User: HR

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```
create table qnt(
    qnt_id number(20) constraint qnt_id_pk primary key,
    quantity number(20) not null,
    total_cost number(10),
    no_of_order number(10)
)
```

```
desc qnt
```

Results Explain Describe Saved SQL History

Object Type TABLE Object QNT

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
QNT	QNT_ID	Number	-	20	0	1	-	-	-
	QUANTITY	Number	-	20	0	-	-	-	-
	TOTAL_COST	Number	-	10	0	-	✓	-	-
	NO_OF_ORDER	Number	-	10	0	-	✓	-	-

TABLE: EMPLOYEE

```
CREATE TABLE EMPLOYEE
(
E_ID NUMBER (20) CONSTRAINT E_ID_PK PRIMARY KEY,
E_NAME VARCHAR2(20) NOT NULL,
E_EMAIL VARCHAR2(30) UNIQUE,
E_CITY VARCHAR2(50) DEFAULT 'UTTARA',
E_PHONE NUMBER (10) NOT NULL,
AGE NUMBER (2) CHECK(AGE>=18),
CHEF VARCHAR2(50),
CASHIER VARCHAR2(50),
STAFF VARCHAR2(50),
WAITER VARCHAR2(50),
CLEANER VARCHAR2(50)
)
DESC EMPLOYEE
```

Autocommit Display 10 ▾

```
CREATE TABLE EMPLOYEE
(
E_ID NUMBER (20) CONSTRAINT E_ID_PK PRIMARY KEY,
E_NAME VARCHAR2(20) NOT NULL,
E_EMAIL VARCHAR2(30) UNIQUE,
E_CITY VARCHAR2(50) DEFAULT 'UTTARA',
E_PHONE NUMBER (10) NOT NULL,
AGE NUMBER(2) CHECK(AGE>=18),
CHEF VARCHAR2(50),
CASHIER VARCHAR2(50),
STAFF VARCHAR2(50),
WAITER VARCHAR2(50),
CLEANER VARCHAR2(50)
)
```

Results Explain Describe Saved SQL History

Object Type TABLE Object EMPLOYEE

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMPLOYEE	E_ID	Number	-	20	0	1	-	-	-
	E_NAME	Varchar2	20	-	-	-	-	-	-
	E_EMAIL	Varchar2	30	-	-	-	✓	-	-
	E_CITY	Varchar2	50	-	-	-	✓	'UTTARA'	-
	E_PHONE	Number	-	10	0	-	-	-	-
	AGE	Number	-	2	0	-	✓	-	-
	CHEF	Varchar2	50	-	-	-	✓	-	-
	CASHIER	Varchar2	50	-	-	-	✓	-	-
	STAFF	Varchar2	50	-	-	-	✓	-	-
	WAITER	Varchar2	50	-	-	-	✓	-	-
	CLEANER	Varchar2	50	-	-	-	✓	-	-

TABLE: FOOD

```
CREATE TABLE FOOD (
F_ID NUMBER (20) CONSTRAINT F_ID_PK PRIMARY KEY,
DESHI VARCHAR2(20),
THAI VARCHAR2(30),
CHINESE VARCHAR2(50),
FAST_FOOD VARCHAR2(50)
)
DESC FOOD
```

User: HR

Home > SQL > SQL Commands

Autocommit Display 10 ▾

```
create table food(
f_id number(20) constraint f_id_pk primary key,
deshi varchar2(20) ,
thai varchar2(30) ,
chinese varchar2(50),
fast_food varchar2(50)
)
```

desc food

Results Explain Describe Saved SQL History

Object Type TABLE Object FOOD

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
FOOD	F_ID	Number	-	20	0	1	-	-	-
	DESHI	Varchar2	20	-	-	-	✓	-	-
	THAI	Varchar2	30	-	-	-	✓	-	-
	CHINESE	Varchar2	50	-	-	-	✓	-	-
	FAST_FOOD	Varchar2	50	-	-	-	✓	-	-

TABLE: MENU

```
CREATE TABLE MENU
(
M_ID NUMBER (20) CONSTRAINT M_ID_PK PRIMARY KEY
)
DESC MENU
```

User: HR

Home > SQL > SQL Commands

Autocommit Display 10 ▾

```
create table menu
(
m_id number(20) constraint m_id_pk primary key
)

desc menu
```

Results Explain Describe Saved SQL History

Object Type TABLE Object MENU

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MENU	M_ID	Number	-	20	0	1	-	-	-

TABLE: FM

```
CREATE TABLE FM
(
FM_ID NUMBER (10) CONSTRAINT FM_ID_PK PRIMARY KEY
F_ID NUMBER (10) CONSTRAINT F_M_FK REFERENCES FOOD (F_ID),
M_ID NUMBER (10) CONSTRAINT FM_FK REFERENCES MENU (M_ID)
)
DESC FM
```

Home > SQL > SQL Commands

Autocommit Display 100 ▾

```
CREATE TABLE FM
(
FM_ID NUMBER(10) CONSTRAINT FM_ID_PK PRIMARY KEY,
F_ID NUMBER (10) CONSTRAINT F_M_FK REFERENCES FOOD (F_ID),
M_ID NUMBER (10) CONSTRAINT FM_FK REFERENCES MENU (M_ID)
)

DESC FM
```

DROP TABLE FM

Results Explain Describe Saved SQL History

Object Type TABLE Object FM

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
FM	FM_ID	Number	-	10	0	1	-	-	-
	F_ID	Number	-	10	0	-	✓	-	-
	M_ID	Number	-	10	0	-	✓	-	-

TABLE: REVIEW1

```
CREATE TABLE REVIEW1
(
REVIEW1_ID NUMBER (4) CONSTRAINT REVIEW1_ID_PK PRIMARY
KEY,
FOOD VARCHAR2(20) NOT NULL,
SUGGESTIONS VARCHAR2(50),
COMMENTS VARCHAR2(100),
RATE NUMBER (1)
);
DESC REVIEW1
```

User: HR

Home > SQL > SQL Commands

Autocommit Display 10 ▾

~~INSERT INTO REVIEW1(REVIEW1_ID, FOOD, SUGGESTIONS, COMMENTS, RATE) VALUES(1010, SOFT, COOK WELL)~~

```
CREATE TABLE REVIEW1
(
REVIEW1_ID NUMBER (4) CONSTRAINT REVIEW1_ID_PK PRIMARY KEY,
FOOD VARCHAR2(20) NOT NULL,
SUGGESTIONS VARCHAR2(50),
COMMENTS VARCHAR2(100),
RATE NUMBER (1)
);
DESC REVIEW1
```

Results Explain Describe Saved SQL History

Object Type TABLE Object REVIEW1

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
REVIEW1	REVIEW1_ID	Number	-	4	0	1	-	-	-
	FOOD	Varchar2	20	-	-	-	-	-	-
	SUGGESTIONS	Varchar2	50	-	-	-	✓	-	-
	COMMENTS	Varchar2	100	-	-	-	✓	-	-
	RATE	Number	-	1	0	-	✓	-	-

TABLE: PAYMENT1

```
CREATE TABLE PAYMENT1
(
P_ID NUMBER (10) CONSTRAINT PAY_ID_PK PRIMARY KEY,
AMOUNT NUMBER (10) NOT NULL,
P_TYPE VARCHAR2(15),
CASH_ON_DELIVERY VARCHAR (10),
CARD VARCHAR (10)
)
DESC PAYMENT1
```

User: HR

Home > SQL > SQL Commands

Autocommit Display 10

```
CREATE TABLE PAYMENT1
(
P_ID NUMBER (10) CONSTRAINT PAY_ID_PK PRIMARY KEY,
AMOUNT NUMBER (10) NOT NULL,
P_TYPE VARCHAR2(8),
CASH_ON_DELIVERY VARCHAR (10),
CARD VARCHAR (10)
)
DESC PAYMENT1
```

Results Explain Describe Saved SQL History

Object Type TABLE Object PAYMENT1

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PAYMENT1	P_ID	Number	-	10	0	1	-	-	-
	AMOUNT	Number	-	10	0	-	-	-	-
	P_TYPE	Varchar2	8	-	-	-	✓	-	-
	CASH_ON_DELIVERY	Varchar2	10	-	-	-	✓	-	-
	CARD	Varchar2	10	-	-	-	✓	-	-

TABLE: RESTAURANT 2

```
CREATE TABLE RESTURANT2
(
R_ID NUMBER (10) CONSTRAINT RES_ID_PK PRIMARY KEY,
R_NAME VARCHAR2(40) NOT NULL,
R_EMAIL VARCHAR2(20) UNIQUE,
R_ADDRESS VARCHAR2(50),
R_PHONE NUMBER (15) NOT NULL,
C_ID NUMBER (13) CONSTRAINT CUS_RES_FK REFERENCES
CUSTOMER1(C_ID)
);
DESC RESTURANT2
```

User: HR

Home > SQL > SQL Commands

Autocommit Display 10 ▾

```
CREATE TABLE RESTURANT2
(
R_ID NUMBER (10) CONSTRAINT RES_ID_PK PRIMARY KEY,
R_NAME VARCHAR2(40) NOT NULL,
R_EMAIL VARCHAR2(20) UNIQUE,
R_ADDRESS VARCHAR2(50),
R_PHONE NUMBER (15) NOT NULL,
C_ID NUMBER (13) CONSTRAINT CUS_RES_FK REFERENCES CUSTOMER1(C_ID)
);
DESC RESTURANT2
```

Results Explain Describe Saved SQL History

Object Type TABLE Object RESTURANT2

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
RESTURANT2	R_ID	Number	-	20	0	1	-	-	-
	R_NAME	Varchar2	20	-	-	-	-	-	-
	R_EMAIL	Varchar2	30	-	-	-	✓	-	-
	R_ADDRESS	Varchar2	50	-	-	-	✓	-	-
	R_PHONE	Number	-	10	0	-	-	-	-

TABLE: FR

```
CREATE TABLE FR
(
FR_ID NUMBER(11) CONSTRAINT FR_PK PRIMARY KEY,
F_ID NUMBER (10) CONSTRAINT F_R_FK REFERENCES FOOD (F_ID),
R_ID NUMBER (10) CONSTRAINT FR_FK REFERENCES RESTURANT1
(R_ID)
)
```

```
DESC FR
```

User: HR

Home > SQL > SQL Commands

Autocommit Display 10 ▾

```
CREATE TABLE FR
(
FR_ID NUMBER(11) CONSTRAINT FR_PK PRIMARY KEY,
F_ID NUMBER (10) CONSTRAINT F_R_FK REFERENCES FOOD (F_ID),
R_ID NUMBER (10) CONSTRAINT FR_FK REFERENCES RESTURANT1 (R_ID)
)
```

```
DESC FR
```

Results Explain Describe Saved SQL History

Object Type TABLE Object FR

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
FR	FR_ID	Number	-	11	0	1	-	-	-
	F_ID	Number	-	10	0	-	✓	-	-
	R_ID	Number	-	10	0	-	✓	-	-

1 - 3

TABLE: BEVERAGE

```
CREATE TABLE BEVERAGE
(
B_ID NUMBER (11) CONSTRAINT B_PK PRIMARY KEY
)
DESC BEVERAGE
```

User: HR

Home > SQL > SQL Commands

Autocommit Display 10 ▾

```
CREATE TABLE BEVERAGE
(
B_ID NUMBER(11) CONSTRAINT B_PK PRIMARY KEY
)
DESC BEVERAGE
```

Results Explain Describe Saved SQL History

Object Type TABLE Object BEVERAGE

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
BEVERAGE	B_ID	Number	-	11	0	1	-	-	-

TABLE: MAIN COURSE

```
CREATE TABLE MAIN_COURSE
(
MC_ID NUMBER(11) CONSTRAINT MC_PK PRIMARY KEY
)
DESC MAIN_COURSE
```

User: HR

Home > SQL > SQL Commands

Autocommit Display 10 ▾

```
CREATE TABLE MAIN_COURSE
(
MC_ID NUMBER(11) CONSTRAINT MC_PK PRIMARY KEY
)
DESC MAIN_COURSE
```

Results Explain Describe Saved SQL History

Object Type TABLE Object MAIN_COURSE

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MAIN_COURSE	MC_ID	Number	-	11	0	1	-	-	-

TABLE: MMB

```
CREATE TABLE MMB
(
  MMB_ID NUMBER(15) CONSTRAINT MMB_PK PRIMARY KEY,
  B_ID NUMBER (10) CONSTRAINT MB_MB_FK REFERENCES
  BEVERAGE(B_ID),
  M_ID NUMBER (10) CONSTRAINT MM1_FK REFERENCES MENU (M_ID)
)
DESC MMB
```

User: HR

Home > SQL > SQL Commands

Autocommit Display 10 ▾

```
CREATE TABLE MMB
(
  MMB_ID NUMBER(15) CONSTRAINT MMB_PK PRIMARY KEY,
  B_ID NUMBER (10) CONSTRAINT MB_MB_FK REFERENCES BEVERAGE(B_ID),
  M_ID NUMBER (10) CONSTRAINT MM1_FK REFERENCES MENU (M_ID)
)
DESC MMB
```

Results Explain Describe Saved SQL History

Object Type TABLE Object MMB

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MMB	MMB_ID	Number	-	15	0	1	-	-	-
	B_ID	Number	-	10	0	-	✓	-	-
	M_ID	Number	-	10	0	-	✓	-	-

TABLE: MMC

```
CREATE TABLE MMC
(
MMC_ID NUMBER (15) CONSTRAINT MB_PK PRIMARY KEY,
MC_ID NUMBER (10) CONSTRAINT MC_B_FK REFERENCES
MAIN_COURSE,
M_ID NUMBER (10) CONSTRAINT M_FK REFERENCES MENU (M_ID)
)
DESC MMC
```

User: HR

Home > SQL > **SQL Commands**

Autocommit Display 10 ▾

```
CREATE TABLE MMC
(
MMC_ID NUMBER (15) CONSTRAINT MB_PK PRIMARY KEY,
MC_ID NUMBER (10) CONSTRAINT MC_B_FK REFERENCES MAIN_COURSE,
M_ID NUMBER (10) CONSTRAINT M_FK REFERENCES MENU (M_ID)
)
DESC MMC
```

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **MMC**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MMC	MMC_ID	Number	-	15	0	1	-	-	-
	MC_ID	Number	-	10	0	-	✓	-	-
	M_ID	Number	-	10	0	-	✓	-	-

TABLE: CART

```
CREATE TABLE CART
(
CART_ID NUMBER (15) CONSTRAINT CART_PK PRIMARY KEY,
NO_OF_FOOD NUMBER (10) NOT NULL,
TOTAL_COST NUMBER (15) NOT NULL,
O_ID NUMBER (10) CONSTRAINT O_FK REFERENCES ORD (O_ID)
)
DESC CART
```

User: HR

Home > SQL > SQL Commands

Autocommit Display 10 ▾

```
CREATE TABLE CART
(
CART_ID NUMBER(15) CONSTRAINT CART_PK PRIMARY KEY,
NO_OF_FOOD NUMBER (10) NOT NULL,
TOTAL_COST NUMBER(15) NOT NULL,
O_ID NUMBER (10) CONSTRAINT O_FK REFERENCES ORD (O_ID)
)
DESC CART
```

Results Explain Describe Saved SQL History

Object Type TABLE Object CART

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CART	CART_ID	Number	-	15	0	1	-	-	-
	NO_OF_FOOD	Number	-	10	0	-	-	-	-
	TOTAL_COST	Number	-	15	0	-	-	-	-
	O_ID	Number	-	10	0	-	✓	-	-

TABLE: ORDER

```
CREATE TABLE ORD
(
O_ID NUMBER(15) CONSTRAINT O_PK PRIMARY KEY,
O_DATE date,
QUANTITY VARCHAR2(20),
TOTAL_COST NUMBER(15) NOT NULL,
NO_OF_ORDER NUMBER(20) NOT NULL
);desc ORD
```

```
CREATE TABLE ORD
(
O_ID NUMBER(15) CONSTRAINT O_PK PRIMARY KEY,
O_DATE date,
QUANTITY VARCHAR2(20),
TOTAL_COST NUMBER(15) NOT NULL,
NO_OF_ORDER NUMBER(20) NOT NULL
);
desc ORD
```

Results Explain Describe Saved SQL History

Object Type TABLE Object ORD

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
ORD	O_ID	Number	-	15	0	1	-	-	-
	O_DATE	Date	7	-	-	-	✓	-	-
	QUANTITY	Varchar2	20	-	-	-	✓	-	-
	TOTAL_COST	Number	-	15	0	-	-	-	-
	NO_OF_ORDER	Number	-	20	0	-	-	-	-

1 - 5

TABLE: CUSTOMER2

```
CREATE TABLE CUSTOMER2
(
C_ID NUMBER (20) CONSTRAINT C_ID_PK PRIMARY KEY,
C_NAME VARCHAR2(20) NOT NULL,
C_ADDRESS VARCHAR2(50),
C_PHONE NUMBER (10) NOT NULL,
F_ID NUMBER (10) CONSTRAINT FOOD_ID_FK REFERENCES FOOD
(F_ID)
);
DESC CUSTOMER2
```

The screenshot shows the Oracle Database Express Edition interface. The title bar reads "ORACLE® Database Express Edition". The top menu bar has "User: HR" and a navigation bar with "Home > SQL > SQL Commands". Below the navigation bar is a toolbar with checkboxes for "Autocommit" (checked) and "Display" (set to 10), and a dropdown menu. The main area contains the SQL code for creating the CUSTOMER2 table, which is identical to the code shown in the text block above. At the bottom of the interface, there is a navigation bar with tabs: "Results", "Explain", "Describe" (which is underlined, indicating it is the active tab), "Saved SQL", and "History". Below this is a table titled "Object Type TABLE Object CUSTOMER2" with columns: Table, Column, Data Type, Length, Precision, Scale, Primary Key, Nullable, Default, and Comment. The table data is as follows:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUSTOMER2	C_ID	Number	-	20	0	1	-	-	-
	C_NAME	Varchar2	20	-	-	-	-	-	-
	C_ADDRESS	Varchar2	50	-	-	-	✓	-	-
	C_PHONE	Number	-	10	0	-	-	-	-
	F_ID	Number	-	10	0	-	✓	-	-

1 - 5

DATA INSERTION AND SEQUENCE:

1.FOOD:

```
CREATE SEQUENCE F_F_ID INCREMENT BY 1 START WITH 901 MAXVALUE 960
NOCACHE NOCYCLE
SELECT * FROM FOOD

INSERT INTO FOOD (F_ID, DESHI, THAI, CHINESE, FAST_FOOD) VALUES (F_F_ID.NEXTVAL, 'KACCHI BIRYANI', NULL, NULL, NULL)
INSERT INTO FOOD (F_ID, DESHI, THAI, CHINESE, FAST_FOOD) VALUES (F_F_ID.NEXTVAL, NULL, NULL, NULL, 'BURGER')
INSERT INTO FOOD (F_ID, DESHI, THAI, CHINESE, FAST_FOOD) VALUES (F_F_ID.NEXTVAL, 'BHUNA KHICHURI', NULL, NULL, NULL)
INSERT INTO FOOD (F_ID, DESHI, THAI, CHINESE, FAST_FOOD) VALUES (F_F_ID.NEXTVAL, NULL, NULL, NULL, 'PASTA')
INSERT INTO FOOD (F_ID, DESHI, THAI, CHINESE, FAST_FOOD) VALUES (F_F_ID.NEXTVAL, NULL, 'CRISPY THAI CHICKEN', NULL, NULL)
INSERT INTO FOOD (F_ID, DESHI, THAI, CHINESE, FAST_FOOD) VALUES (F_F_ID.NEXTVAL, NULL, NULL, 'STEAMED BUN', NULL)
INSERT INTO FOOD (F_ID, DESHI, THAI, CHINESE, FAST_FOOD) VALUES (F_F_ID.NEXTVAL, NULL, 'FISH CAKE', NULL, NULL)
INSERT INTO FOOD (F_ID, DESHI, THAI, CHINESE, FAST_FOOD) VALUES (F_F_ID.NEXTVAL, NULL, NULL, 'MOMO', NULL)
INSERT INTO FOOD (F_ID, DESHI, THAI, CHINESE, FAST_FOOD) VALUES (F_F_ID.NEXTVAL, 'KALA BHUNA', NULL, NULL, NULL)
INSERT INTO FOOD (F_ID, DESHI, THAI, CHINESE, FAST_FOOD) VALUES (F_F_ID.NEXTVAL, NULL, NULL, NULL, 'PIZZA')
```

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the SQL code for creating a sequence, dropping it, and inserting ten rows of food data. The Results window displays a grid of the inserted data:

F_ID	DESHI	THAI	CHINESE	FAST_FOOD
901	Kacchi biryani	-	-	-
902	-	-	-	Burger
903	Bhuna Khichuri	-	-	-
904	-	-	-	Pasta
905	-	Crispy Thai Chicken	-	-
906	-	-	Steamed bun	-
907	-	Fish cake	-	-
908	-	-	Momo	-
909	Kala bhuna	-	-	-
910	-	-	-	Pizza

Below the results, a note says "10 rows returned in 0.00 seconds". The bottom status bar shows "Language: en-us" and "Application Express 2.1.0.0.39 Copyright © 1999, 2006, Oracle. All rights reserved."

2. DELIVERY MAN

```
SELECT * FROM DELIVERY_MAN
CREATE SEQUENCE D_D_ID INCREMENT BY 1 START WITH 801 MAXVALUE 860
NOCACHE NOCYCLE
DESC DELIVERY_MAN

INSERT INTO DELIVERY_MAN(D_ID, D_NAME,D_PHONE) VALUES(D_D_ID.NEXTVAL, 'ALAMGIR' , '01817165890')
INSERT INTO DELIVERY_MAN(D_ID, D_NAME,D_PHONE) VALUES(D_D_ID.NEXTVAL, 'ALAMGI' , '01817165891')
INSERT INTO DELIVERY_MAN(D_ID, D_NAME,D_PHONE) VALUES(D_D_ID.NEXTVAL, 'ALAM' , '01817165892')
INSERT INTO DELIVERY_MAN(D_ID, D_NAME,D_PHONE) VALUES(D_D_ID.NEXTVAL, 'ALA' , '01817165893')
INSERT INTO DELIVERY_MAN(D_ID, D_NAME,D_PHONE) VALUES(D_D_ID.NEXTVAL, 'ALI' , '01817165894')
INSERT INTO DELIVERY_MAN(D_ID, D_NAME,D_PHONE) VALUES(D_D_ID.NEXTVAL, 'ALIF' , '01817165895')
INSERT INTO DELIVERY_MAN(D_ID, D_NAME,D_PHONE) VALUES(D_D_ID.NEXTVAL, 'GIR' , '01817165896')
INSERT INTO DELIVERY_MAN(D_ID, D_NAME,D_PHONE) VALUES(D_D_ID.NEXTVAL, 'MIR' , '01817165897')
INSERT INTO DELIVERY_MAN(D_ID, D_NAME,D_PHONE) VALUES(D_D_ID.NEXTVAL, 'RAM' , '01817165898')
INSERT INTO DELIVERY_MAN(D_ID, D_NAME,D_PHONE) VALUES(D_D_ID.NEXTVAL, 'NAHAR' , '01817165899')
```

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window displays the following SQL code:

```
SELECT * FROM DELIVERY_MAN
CREATE SEQUENCE D_D_ID INCREMENT BY 1 START WITH 801 MAXVALUE 860
NOCACHE NOCYCLE
DESC DELIVERY_MAN

INSERT INTO DELIVERY_MAN(D_ID, D_NAME,D_PHONE) VALUES(D_D_ID.NEXTVAL, 'ALAMGIR' , '01817165890')
INSERT INTO DELIVERY_MAN(D_ID, D_NAME,D_PHONE) VALUES(D_D_ID.NEXTVAL, 'ALAMGI' , '01817165891')
INSERT INTO DELIVERY_MAN(D_ID, D_NAME,D_PHONE) VALUES(D_D_ID.NEXTVAL, 'ALAM' , '01817165892')
INSERT INTO DELIVERY_MAN(D_ID, D_NAME,D_PHONE) VALUES(D_D_ID.NEXTVAL, 'ALA' , '01817165893')
INSERT INTO DELIVERY_MAN(D_ID, D_NAME,D_PHONE) VALUES(D_D_ID.NEXTVAL, 'ALI' , '01817165894')
INSERT INTO DELIVERY_MAN(D_ID, D_NAME,D_PHONE) VALUES(D_D_ID.NEXTVAL, 'ALIF' , '01817165895')
INSERT INTO DELIVERY_MAN(D_ID, D_NAME,D_PHONE) VALUES(D_D_ID.NEXTVAL, 'GIR' , '01817165896')
INSERT INTO DELIVERY_MAN(D_ID, D_NAME,D_PHONE) VALUES(D_D_ID.NEXTVAL, 'MIR' , '01817165897')
INSERT INTO DELIVERY_MAN(D_ID, D_NAME,D_PHONE) VALUES(D_D_ID.NEXTVAL, 'RAM' , '01817165898')
INSERT INTO DELIVERY_MAN(D_ID, D_NAME,D_PHONE) VALUES(D_D_ID.NEXTVAL, 'NAHAR' , '01817165899')
```

The Results tab shows the following data:

D_ID	D_NAME	D_PHONE
801	ALAMGIR	1817165890
802	ALAMGI	1817165891
803	NAHAR	1817165899
804	ALAM	1817165892
805	RAM	1817165898
806	ALA	1817165893
807	MIR	1817165897
808	ALI	1817165894
809	GIR	1817165896
810	ALIF	1817165895

10 rows returned in 0.00 seconds

CSV Export

Application Express 2.1.0.0.39
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Language: en-us

78°F Haze

Windows taskbar: Search, File Explorer, Mail, Task View, Taskbar Icons, Start button, 6:33 PM, 12/10/2022

3.

RESTURANT1:

```
CREATE SEQUENCE R1_R_ID INCREMENT BY 1 START WITH 701 MAXVALUE 760 NOCACHE NOCYCLE
DESC RESTURANT1
SELECT * FROM RESTURANT1
INSERT INTO RESTURANT1(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, D_ID) VALUES
(R1_R_ID.NEXTVAL, 'KFC', 'KFC@GMAIL.COM', 'BLOCK-6', '01715142356', '801')
INSERT INTO RESTURANT1(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, D_ID) VALUES
(R1_R_ID.NEXTVAL, 'BFC', 'BFC@GMAIL.COM', 'BLOCK-7', '01715142357', '802')
INSERT INTO RESTURANT1(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, D_ID) VALUES
(R1_R_ID.NEXTVAL, 'YUM CHA DISTRICT', 'YUMCHACHA@GMAIL.COM', 'BLOCK-8', '01715142236',
',803')
INSERT INTO RESTURANT1(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, D_ID) VALUES
(R1_R_ID.NEXTVAL, 'CHILLOX', 'CHILLOX2@GMAIL.COM', 'BLOCK-9', '01715142346', '804')
INSERT INTO RESTURANT1(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, D_ID) VALUES
(R1_R_ID.NEXTVAL, 'CHECKERS', 'CHECKERS2@GMAIL.COM', 'BLOCK-2', '01715142359', '805')
INSERT INTO RESTURANT1(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, D_ID) VALUES
(R1_R_ID.NEXTVAL, 'LA TING TING', 'LATINTING@GMAIL.COM', 'BLOCK-3', '01715142360', '806')
INSERT INTO RESTURANT1(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, D_ID) VALUES
(R1_R_ID.NEXTVAL, 'KABAB FACTORY', 'KABABFAC@GMAIL.COM', 'BLOCK-4', '01715142307', '807')
INSERT INTO RESTURANT1(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, D_ID) VALUES
(R1_R_ID.NEXTVAL, 'SAO 26', 'SAO26@GMAIL.COM', 'BLOCK-5', '01715142308', '808')
INSERT INTO RESTURANT1(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, D_ID) VALUES
(R1_R_ID.NEXTVAL, 'LAKE TERRACE', 'LAKETER@GMAIL.COM', 'BLOCK-1', '01715142309', '809')
INSERT INTO RESTURANT1(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, D_ID) VALUES
(R1_R_ID.NEXTVAL, 'BURGER KING ', 'BKB@GMAIL.COM', 'BLOCK-12', '01715142310', '810')
```

The screenshot shows the Oracle Database Express Edition SQL Commands interface. The SQL command window displays the creation of the sequence R1_R_ID and the insertion of 14 rows into the RESTURANT1 table. The results window shows the 14 rows returned by the query.

```
create sequence R1_R_id increment by 1 start with 701 maxvalue 760
nocache nocycle
desc RESTURANT1
SELECT * FROM RESTURANT1
```

R_ID	R_NAME	R_EMAIL	R_ADDRESS	R_PHONE	D_ID
704	KFC	kfc@gmail.com	Block-6	1715142356	801
705	Burger King	bkb@gmail.com	Block-12	1715142310	810
706	Lake Terrace	laketer@gmail.com	Block-1	1715142309	809
707	Sao 26	sao2@gmail.com	Block-5	1715142308	808
708	Kabab Factory	kababfac@gmail.com	Block-4	1715142307	807
709	La Ting Ting	latinting@gmail.com	Block-3	1715142360	806
710	Checkers	checkers2@gmail.com	Block-2	1715142359	805
711	CHILLOX	chillox2@mail.com	Block-9	1715142346	804
712	yum cha district	yumchacha@gmail.com	Block-8	1715142236	803
713	BFC	bfc@gmail.com	Block-7	1715142357	802
714					

4. CUSTOMER1:

```
CREATE SEQUENCE C1_C_ID INCREMENT BY 1 START WITH 601 MAXVALUE 660 NOCACHE  
NOCYCLE
```

```
SELECT * FROM CUSTOMER1  
INSERT INTO CUSTOMER1(C_ID, C_NAME, C_PHONE, C_ADDRESS, D_ID)  
VALUES(C1_C_ID.NEXTVAL,'AALIYAH','0134567280','H#1-R#89-BLOCK6','801')  
INSERT INTO CUSTOMER1(C_ID, C_NAME, C_PHONE, C_ADDRESS, D_ID)  
VALUES(C1_C_ID.NEXTVAL,'DJAMILA','0134567281','H#14-R#29-BLOCK5','802')  
INSERT INTO CUSTOMER1(C_ID, C_NAME, C_PHONE, C_ADDRESS, D_ID)  
VALUES(C1_C_ID.NEXTVAL,'ELHAM','0134567282','H#87-R#19-BLOCK1','803')  
INSERT INTO CUSTOMER1(C_ID, C_NAME, C_PHONE, C_ADDRESS, D_ID)  
VALUES(C1_C_ID.NEXTVAL,'ISHTAR','0134567283','H#15-R#79-BLOCK7','804')  
INSERT INTO CUSTOMER1(C_ID, C_NAME, C_PHONE, C_ADDRESS, D_ID)  
VALUES(C1_C_ID.NEXTVAL,'EHSAN','0134567384','H#4-R#4-BLOCK4','804')  
INSERT INTO CUSTOMER1(C_ID, C_NAME, C_PHONE, C_ADDRESS, D_ID)  
VALUES(C1_C_ID.NEXTVAL,'DOLA','0134567285','H#5-R#5-BLOCK5','805')  
INSERT INTO CUSTOMER1(C_ID, C_NAME, C_PHONE, C_ADDRESS, D_ID)  
VALUES(C1_C_ID.NEXTVAL,'WAFI','0134567286','H#16-R#66-BLOCK16','806')  
INSERT INTO CUSTOMER1(C_ID, C_NAME, C_PHONE, C_ADDRESS, D_ID)  
VALUES(C1_C_ID.NEXTVAL,'SHARIHA','0134567287','H#17-R#87-BLOCK7','807')  
INSERT INTO CUSTOMER1(C_ID, C_NAME, C_PHONE, C_ADDRESS, D_ID)  
VALUES(C1_C_ID.NEXTVAL,'ZAKI','0134567288','H#8-R#8-BLOCK8','808')  
INSERT INTO CUSTOMER1(C_ID, C_NAME, C_PHONE, C_ADDRESS, D_ID)  
VALUES(C1_C_ID.NEXTVAL,'IYAD','01345672880','H#99-R#9-BLOCK9','809')
```

SQL Commands

127.0.0.1:8080/apex/r?p=4500:1003:1220163802837480:No:=

ORACLE Database Express Edition

User: HR

Home > SQL > SQL Commands

Autocommit Display: 100 Save Run

```
create sequence c1_c_id increment by 1 start with 601 maxvalue 660 nocache nocycle

select * from customer1
insert into customer1(C_ID, C_NAME, C_PHONE, C_ADDRESS, D_ID) values(c1_c_id.nextval,'Aaliyah','0134567280','H#1-R#89-BLOCK6','801')
insert into customer1(C_ID, C_NAME, C_PHONE, C_ADDRESS, D_ID) values(c1_c_id.nextval,'Djamilia','0134567281','H#14-R#29-BLOCKS5','802')
insert into customer1(C_ID, C_NAME, C_PHONE, C_ADDRESS, D_ID) values(c1_c_id.nextval,'Elham','0134567282','H#87-R#19-BLOCK1','803')
insert into customer1(C_ID, C_NAME, C_PHONE, C_ADDRESS, D_ID) values(c1_c_id.nextval,'Ishtar','0134567283','H#15-R#79-BLOCK7','804')
insert into customer1(C_ID, C_NAME, C_PHONE, C_ADDRESS, D_ID) values(c1_c_id.nextval,'Ehsan','0134567284','H#4-R#4-BLOCK4','805')
insert into customer1(C_ID, C_NAME, C_PHONE, C_ADDRESS, D_ID) values(c1_c_id.nextval,'DOLA','0134567285','H#5-R#5-BLOCKS','806')
insert into customer1(C_ID, C_NAME, C_PHONE, C_ADDRESS, D_ID) values(c1_c_id.nextval,'Wafii','0134567286','H#16-R#66-BLOCK16','806')
insert into customer1(C_ID, C_NAME, C_PHONE, C_ADDRESS, D_ID) values(c1_c_id.nextval,'SHARINA','0134567287','H#17-R#87-BLOCK7','807')
insert into customer1(C_ID, C_NAME, C_PHONE, C_ADDRESS, D_ID) values(c1_c_id.nextval,'Zaki','0134567288','H#8-R#8-BLOCKS8','808')
insert into customer1(C_ID, C_NAME, C_PHONE, C_ADDRESS, D_ID) values(c1_c_id.nextval,'Iyad','0134567289','H#99-R#9-BLOCK9','809')
```

Results Explain Describe Saved SQL History

C_ID	C_NAME	C_ADDRESS	C_PHONE	D_ID
606	Elham	H#7-R#19-BLOCK1	134567282	803
603	Aaliyah	H#1-R#89-BLOCK6	134567280	801
605	Djamilia	H#14-R#29-BLOCKS5	134567281	802
607	Ishtar	H#15-R#79-BLOCK7	134567283	804
608	Ehsan	H#4-R#4-BLOCK4	134567384	805
609	DOLA	H#5-R#5-BLOCKS	134567285	806
610	Wafii	H#16-R#66-BLOCK16	134567286	806
611	SHARINA	H#17-R#87-BLOCK7	134567287	807
612	Zaki	H#8-R#8-BLOCKS8	134567288	808
613	Iyad	H#99-R#9-BLOCK9	134567289	809

10 rows returned in 0.02 seconds [CSV Export](#)

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5.EMPLOYEE:

```

SELECT * FROM EMPLOYEE
CREATE SEQUENCE EE1_E_ID INCREMENT BY 1 START WITH 2000 MAXVALUE 2060 NOCACHE NOCYCLE

INSERT INTO EMPLOYEE(E_ID, E_NAME, E_EMAIL, AGE, E_PHONE, STAFF, CHEF, CASHIER) VALUES
(EE1_E_ID.NEXTVAL,'BARKAT','BARKAT@GMAIL.COM','22','019876543','YES','YES',NULL)
INSERT INTO EMPLOYEE(E_ID, E_NAME, E_EMAIL, AGE, E_PHONE, STAFF, CHEF, CASHIER) VALUES
(EE1_E_ID.NEXTVAL,'OTHOY','OTHOY@GMAIL.COM','21','019876523','YES',NULL,'YES')
INSERT INTO EMPLOYEE(E_ID, E_NAME, E_EMAIL, AGE, E_PHONE, STAFF, CHEF, CASHIER) VALUES
(EE1_E_ID.NEXTVAL,'ESHTYAK','ESHHTYAK@GMAIL.COM','36','012876543','YES','YES',NULL)
INSERT INTO EMPLOYEE(E_ID, E_NAME, E_EMAIL, AGE, E_PHONE, STAFF, CHEF, CASHIER) VALUES
(EE1_E_ID.NEXTVAL,'BRISHTY','BRISHTY@GMAIL.COM','34','019776543','YES','YES',NULL)
INSERT INTO EMPLOYEE(E_ID, E_NAME, E_EMAIL, AGE, E_PHONE, STAFF, CHEF, CASHIER) VALUES
(EE1_E_ID.NEXTVAL,'SARA','SARA@GMAIL.COM','21','0198765423','YES','YES',NULL)
INSERT INTO EMPLOYEE(E_ID, E_NAME, E_EMAIL, AGE, E_PHONE, STAFF, CHEF, CASHIER) VALUES
(EE1_E_ID.NEXTVAL,'ZAARA','ZAARA@GMAIL.COM','20','019870543','YES','YES',NULL)
INSERT INTO EMPLOYEE(E_ID, E_NAME, E_EMAIL, AGE, E_PHONE, STAFF, CHEF, CASHIER) VALUES
(EE1_E_ID.NEXTVAL,'RAHMAN','RAHMANN@GMAIL.COM','25','019846503','YES','YES',NULL)
INSERT INTO EMPLOYEE(E_ID, E_NAME, E_EMAIL, AGE, E_PHONE, STAFF, CHEF, CASHIER) VALUES
(EE1_E_ID.NEXTVAL,'AMAN','AMAN@GMAIL.COM','25','019876043','YES','YES',NULL)
INSERT INTO EMPLOYEE(E_ID, E_NAME, E_EMAIL, AGE, E_PHONE, STAFF, CHEF, CASHIER) VALUES
(EE1_E_ID.NEXTVAL,'KAT','KAT@GMAIL.COM','44','019876543','YES',NULL,'YES')
INSERT INTO EMPLOYEE(E_ID, E_NAME, E_EMAIL, AGE, E_PHONE, STAFF, CHEF, CASHIER) VALUES
(EE1_E_ID.NEXTVAL,'BARAT','BARAT@GMAIL.COM','62','019870543','YES',NULL,'YES')

```

SQL Commands

127.0.0.1:8080/apex/f?p=4500:1003:1220163802837480::NO::

```

SELECT * FROM EMPLOYEE
CREATE SEQUENCE EE1_E_ID increment by 1 start with 2000 maxvalue 2060 nocache nocycle
delete from employee where e_id=2002
INSERT INTO EMPLOYEE(E_ID, E_NAME, E_EMAIL, age, E_PHONE, STAFF, CHEF, CASHIER) VALUES (EE1_E_ID.NEXTVAL,'BARKAT','barkat@gmail.com','22','019876543','yes','yes',null)
INSERT INTO EMPLOYEE(E_ID, E_NAME, E_EMAIL, age, E_PHONE, STAFF, CHEF, CASHIER) VALUES (EE1_E_ID.NEXTVAL,'OTHOY','othoy@gmail.com','21','019876523','yes',null,'yes')
INSERT INTO EMPLOYEE(E_ID, E_NAME, E_EMAIL, age, E_PHONE, STAFF, CHEF, CASHIER) VALUES (EE1_E_ID.NEXTVAL,'ESHTYAK','eshhtyak@gmail.com','36','012876543','yes','yes',null)
INSERT INTO EMPLOYEE(E_ID, E_NAME, E_EMAIL, age, E_PHONE, STAFF, CHEF, CASHIER) VALUES (EE1_E_ID.NEXTVAL,'BRISHTY','brishty@gmail.com','34','019776543','yes','yes',null)
INSERT INTO EMPLOYEE(E_ID, E_NAME, E_EMAIL, age, E_PHONE, STAFF, CHEF, CASHIER) VALUES (EE1_E_ID.NEXTVAL,'SARA','sara@gmail.com','21','0198765423','yes','yes',null)
INSERT INTO EMPLOYEE(E_ID, E_NAME, E_EMAIL, age, E_PHONE, STAFF, CHEF, CASHIER) VALUES (EE1_E_ID.NEXTVAL,'ZAARA','zaara@gmail.com','20','019870543','yes','yes',null)
INSERT INTO EMPLOYEE(E_ID, E_NAME, E_EMAIL, age, E_PHONE, STAFF, CHEF, CASHIER) VALUES (EE1_E_ID.NEXTVAL,'RAHMAN','rahmann@gmail.com','25','019846503','yes','yes',null)
INSERT INTO EMPLOYEE(E_ID, E_NAME, E_EMAIL, age, E_PHONE, STAFF, CHEF, CASHIER) VALUES (EE1_E_ID.NEXTVAL,'AMAN','aman@gmail.com','25','019876043','yes',null,'yes')
INSERT INTO EMPLOYEE(E_ID, E_NAME, E_EMAIL, age, E_PHONE, STAFF, CHEF, CASHIER) VALUES (EE1_E_ID.NEXTVAL,'KAT','kat@gmail.com','44','019876543','yes',null,'yes')
INSERT INTO EMPLOYEE(E_ID, E_NAME, E_EMAIL, age, E_PHONE, STAFF, CHEF, CASHIER) VALUES (EE1_E_ID.NEXTVAL,'BARAT','barat@gmail.com','62','019870543','yes',null,'yes')

```

Results Explain Describe Saved SQL History

E_ID	E_NAME	E_EMAIL	E_CITY	E_PHONE	AGE	CHEF	CASHIER	STAFF
2001	BARKAT	barkat@gmail.com	UTTARA	19876543	22	yes	-	yes
2002	OTHOY	othoy@gmail.com	UTTARA	19876523	21	-	yes	yes
2003	ESHTYAK	eshhtyak@gmail.com	UTTARA	12876543	36	yes	-	yes
2004	BRISHTY	brishty@gmail.com	UTTARA	19776543	34	yes	-	yes
2005	SARA	sara@gmail.com	UTTARA	198765423	21	yes	-	yes
2006	ZAARA	zaara@gmail.com	UTTARA	19870543	20	yes	-	yes
2007	RAHMAN	rahmann@gmail.com	UTTARA	19846503	25	yes	-	yes
2008	AMAN	aman@gmail.com	UTTARA	19876043	25	yes	-	yes
2009	KAT	kat@gmail.com	UTTARA	19876543	44	-	yes	yes
2010	BARAT	barat@gmail.com	UTTARA	19870543	62	-	yes	yes

10 rows returned in 0.00 seconds CSV Export

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Language: en-us

78°F Haze

Search

9:31 PM 12/10/2022

6. MENU:

```
CREATE SEQUENCE M1_E_ID INCREMENT BY 1 START WITH 1 MAXVALUE 60 NOCACHE NOCYCLE  
SELECT * FROM MENU
```

```
INSERT INTO MENU(M_ID)VALUES(M1_E_ID.NEXTVAL)  
INSERT INTO MENU(M_ID)VALUES(M1_E_ID.NEXTVAL)
```

The screenshot shows the Oracle Database Express Edition SQL Commands interface. The SQL editor contains the following code:

```
create sequence M1_E_id increment by 1 start with 1 maxvalue 60 nocache nocycle  
insert into menu(m_id)values(M1_E_id.nextval)  
Select * from menu
```

The results pane shows the following data:

M_ID
1
2
3
4
5
6
7
8
9
10

At the bottom, it says "10 rows returned in 0.11 seconds". The status bar at the bottom right shows "Application Express 2.1.0.0.39 Copyright © 1999, 2006, Oracle. All rights reserved." and the date "12/10/2022".

7. FM:

```
create sequence FM1_FM_id increment by 1 start with 1001 maxvalue 1060 nocache nocycle
SELECT * FROM FM
INSERT INTO FM(FM_ID, F_ID, M_ID)VALUES(FM1_FM_id.NEXTVAL,'901','1 ')
INSERT INTO FM(FM_ID, F_ID, M_ID)VALUES(FM1_FM_id.NEXTVAL,'902','2 ')
INSERT INTO FM(FM_ID, F_ID, M_ID)VALUES(FM1_FM_id.NEXTVAL,'903','3 ')
INSERT INTO FM(FM_ID, F_ID, M_ID)VALUES(FM1_FM_id.NEXTVAL,'904','4 ')
INSERT INTO FM(FM_ID, F_ID, M_ID)VALUES(FM1_FM_id.NEXTVAL,'905','5 ')
INSERT INTO FM(FM_ID, F_ID, M_ID)VALUES(FM1_FM_id.NEXTVAL,'906','6 ')
INSERT INTO FM(FM_ID, F_ID, M_ID)VALUES(FM1_FM_id.NEXTVAL,'907','7 ')
INSERT INTO FM(FM_ID, F_ID, M_ID)VALUES(FM1_FM_id.NEXTVAL,'908','8 ')
INSERT INTO FM(FM_ID, F_ID, M_ID)VALUES(FM1_FM_id.NEXTVAL,'909','9 ')
INSERT INTO FM(FM_ID, F_ID, M_ID)VALUES(FM1_FM_id.NEXTVAL,'910','10 ')
```

The screenshot shows the Oracle Database Express Edition SQL Commands interface. The SQL command window displays the creation of a sequence and the insertion of 10 rows into the FM table. The results window shows the data returned, which is identical to the inserted data.

```
create sequence FM1_FM_id increment by 1 start with 1001 maxvalue 1060 nocache nocycle
SELECT * FROM FM
INSERT INTO FM(FM_ID, F_ID, M_ID)VALUES(FM1_FM_id.NEXTVAL,'901','1 ')
INSERT INTO FM(FM_ID, F_ID, M_ID)VALUES(FM1_FM_id.NEXTVAL,'902','2 ')
INSERT INTO FM(FM_ID, F_ID, M_ID)VALUES(FM1_FM_id.NEXTVAL,'903','3 ')
INSERT INTO FM(FM_ID, F_ID, M_ID)VALUES(FM1_FM_id.NEXTVAL,'904','4 ')
INSERT INTO FM(FM_ID, F_ID, M_ID)VALUES(FM1_FM_id.NEXTVAL,'905','5 ')
INSERT INTO FM(FM_ID, F_ID, M_ID)VALUES(FM1_FM_id.NEXTVAL,'906','6 ')
INSERT INTO FM(FM_ID, F_ID, M_ID)VALUES(FM1_FM_id.NEXTVAL,'907','7 ')
INSERT INTO FM(FM_ID, F_ID, M_ID)VALUES(FM1_FM_id.NEXTVAL,'908','8 ')
INSERT INTO FM(FM_ID, F_ID, M_ID)VALUES(FM1_FM_id.NEXTVAL,'909','9 ')
INSERT INTO FM(FM_ID, F_ID, M_ID)VALUES(FM1_FM_id.NEXTVAL,'910','10 ')
```

FM_ID	F_ID	M_ID
1001	901	1
1002	902	2
1003	903	3
1005	904	4
1006	905	5
1007	906	6
1008	907	7
1009	908	8
1010	909	9
1011	910	10

10 rows returned in 0.00 seconds CSV Export

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8.MAIN COURSE:

```
table main course
desc MAIN_COURSE
select * from MAIN_COURSE
create sequence Mc1_mc_id increment by 1 start with 1101 maxvalue 1160 nocache nocycle
insert into MAIN_COURSE(mc_id)values(Mc1_mc_id.nextval)
```

The screenshot shows the Oracle Database Express Edition SQL Commands interface. The SQL command window displays the same SQL code as above. Below it, the Results tab shows a table with one column, MC_ID, containing values from 1101 to 1111. The status bar at the bottom indicates "11 rows returned in 0.01 seconds". The bottom right corner shows the system tray with the date and time.

MC_ID
1101
1102
1103
1104
1105
1106
1107
1108
1109
1110
1111

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10:37 PM 12/10/2022

9.QNT

TABLE QNT

```
CREATE SEQUENCE Q_Q_ID INCREMENT BY 1 START WITH 1201 MAXVALUE 1260 NOCACHE NOCYCLE
```

```
CREATE SEQUENCE Q1_Q1_ID INCREMENT BY 1 START WITH 1 MAXVALUE 100 NOCACHE NOCYCLE
```

```
DESC QNT
```

```
INSERT INTO QNT(QNT_ID, QUANTITY,
```

```
TOTAL_COST,NO_OF_ORDER)VALUES(Q_Q_ID.NEXTVAL,'2','540',Q1_Q1_ID.NEXTVAL)
```

```
INSERT INTO QNT(QNT_ID, QUANTITY,
```

```
TOTAL_COST,NO_OF_ORDER)VALUES(Q_Q_ID.NEXTVAL,'1','100',Q1_Q1_ID.NEXTVAL)
```

```
INSERT INTO QNT(QNT_ID, QUANTITY,
```

```
TOTAL_COST,NO_OF_ORDER)VALUES(Q_Q_ID.NEXTVAL,'5','2000',Q1_Q1_ID.NEXTVAL)
```

```
INSERT INTO QNT(QNT_ID, QUANTITY,
```

```
TOTAL_COST,NO_OF_ORDER)VALUES(Q_Q_ID.NEXTVAL,'3','500',Q1_Q1_ID.NEXTVAL)
```

```
INSERT INTO QNT(QNT_ID, QUANTITY,
```

```
TOTAL_COST,NO_OF_ORDER)VALUES(Q_Q_ID.NEXTVAL,'2','800',Q1_Q1_ID.NEXTVAL)
```

```
INSERT INTO QNT(QNT_ID, QUANTITY,
```

```
TOTAL_COST,NO_OF_ORDER)VALUES(Q_Q_ID.NEXTVAL,'10','2050',Q1_Q1_ID.NEXTVAL)
```

```
INSERT INTO QNT(QNT_ID, QUANTITY,
```

```
TOTAL_COST,NO_OF_ORDER)VALUES(Q_Q_ID.NEXTVAL,'1','370',Q1_Q1_ID.NEXTVAL)
```

```
INSERT INTO QNT(QNT_ID, QUANTITY,
```

```
TOTAL_COST,NO_OF_ORDER)VALUES(Q_Q_ID.NEXTVAL,'5','490',Q1_Q1_ID.NEXTVAL)
```

```
INSERT INTO QNT(QNT_ID, QUANTITY,
```

```
TOTAL_COST,NO_OF_ORDER)VALUES(Q_Q_ID.NEXTVAL,'4','670',Q1_Q1_ID.NEXTVAL)
```

```
SELECT* FROM QNT
```

The screenshot shows the Oracle Database Express Edition interface. In the SQL Commands section, the following SQL code is displayed:

```
create sequence q_q_id increment by 1 start with 1201 maxvalue 1260 nocache nocycle
create sequence q1_q1_id increment by 1 start with 1 maxvalue 100 nocache nocycle
desc qnt
insert into qnt(qnt_id, quantity, total_cost,no_of_order)values(q_q_id.nextval,'2','540',q1_q1_id.nextval)
insert into qnt(qnt_id, quantity, total_cost,no_of_order)values(q_q_id.nextval,'1','100',q1_q1_id.nextval)
insert into qnt(qnt_id, quantity, total_cost,no_of_order)values(q_q_id.nextval,'5','2000',q1_q1_id.nextval)
insert into qnt(qnt_id, quantity, total_cost,no_of_order)values(q_q_id.nextval,'3','500',q1_q1_id.nextval)
insert into qnt(qnt_id, quantity, total_cost,no_of_order)values(q_q_id.nextval,'2','800',q1_q1_id.nextval)
insert into qnt(qnt_id, quantity, total_cost,no_of_order)values(q_q_id.nextval,'10','2050',q1_q1_id.nextval)
insert into qnt(qnt_id, quantity, total_cost,no_of_order)values(q_q_id.nextval,'1','370',q1_q1_id.nextval)
insert into qnt(qnt_id, quantity, total_cost,no_of_order)values(q_q_id.nextval,'5','490',q1_q1_id.nextval)
insert into qnt(qnt_id, quantity, total_cost,no_of_order)values(q_q_id.nextval,'4','670',q1_q1_id.nextval)
select* from qnt
```

In the Results section, the output is a table:

QNT_ID	QUANTITY	TOTAL_COST	NO_OF_ORDER
1202	2	540	2
1203	1	100	3
1204	5	2000	4
1205	3	500	5
1206	2	800	6
1207	2	540	7
1208	10	2050	8
1209	1	370	9
1210	5	490	10
1211	4	670	11

10 rows returned in 0.21 seconds [CSV Export](#)

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10. BEVERAGE

```
TABLE BEVERAGE
CREATE SEQUENCE B_B_ID INCREMENT BY 1 START WITH 1161 MAXVALUE 1191 NOCACHE
NOCYCLE
INSERT INTO BEVERAGE(B_ID)VALUES(B_B_ID.NEXTVAL)
SELECT * FROM BEVERAGE
```

The screenshot shows the Oracle Database Express Edition SQL Commands interface. The SQL editor contains the following code:

```
create sequence b_b_id increment by 1 start with 1161 maxvalue 1191 nocache nocycle
insert into beverage(b_id)values(b_b_id.nextval)
select * from beverage
```

The results pane shows the following data:

B_ID
1161
1162
1163
1164
1165
1166
1167
1168
1169
1170

10 rows returned in 0.33 seconds [CSV Export](#)

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Language: en-us

75°F Haze

11:46 PM 12/11/2022

11.MMB

TABLE MMB

```
CREATE SEQUENCE MMB_MMB_ID INCREMENT BY 1 START WITH 301 MAXVALUE 360 NOCACHE  
NOCYCLE  
SELECT * FROM MENU  
SELECT * FROM BEVERAGE  
SELECT * FROM MMB  
INSERT INTO MMB(MMB_ID, M_ID, B_ID)VALUES(MMB_MMB_ID.NEXTVAL,'1','1161')  
INSERT INTO MMB(MMB_ID, M_ID, B_ID)VALUES(MMB_MMB_ID.NEXTVAL,'2','1162')  
INSERT INTO MMB(MMB_ID, M_ID, B_ID)VALUES(MMB_MMB_ID.NEXTVAL,'3','1163')  
INSERT INTO MMB(MMB_ID, M_ID, B_ID)VALUES(MMB_MMB_ID.NEXTVAL,'4','1164')  
INSERT INTO MMB(MMB_ID, M_ID, B_ID)VALUES(MMB_MMB_ID.NEXTVAL,'5','1165')  
INSERT INTO MMB(MMB_ID, M_ID, B_ID)VALUES(MMB_MMB_ID.NEXTVAL,'6','1166')  
INSERT INTO MMB(MMB_ID, M_ID, B_ID)VALUES(MMB_MMB_ID.NEXTVAL,'7','1167')  
INSERT INTO MMB(MMB_ID, M_ID, B_ID)VALUES(MMB_MMB_ID.NEXTVAL,'8','1168')  
INSERT INTO MMB(MMB_ID, M_ID, B_ID)VALUES(MMB_MMB_ID.NEXTVAL,'9','1169')  
INSERT INTO MMB(MMB_ID, M_ID, B_ID)VALUES(MMB_MMB_ID.NEXTVAL,'10','1170')
```

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the SQL code for creating the sequence and inserting data into the MMB table. The Results window displays the 10 rows of data inserted into the MMB table.

```
create sequence mmb_mmb_id increment by 1 start with 301 maxvalue 360 nocache nocycle  
select * from menu  
select * from beverage  
select * from mmb  
insert into mmb(MMB_ID, M_ID, B_ID)values(mmb_mmb_id.nextval,'1','1161')  
insert into mmb(MMB_ID, M_ID, B_ID)values(mmb_mmb_id.nextval,'2','1162')  
insert into mmb(MMB_ID, M_ID, B_ID)values(mmb_mmb_id.nextval,'3','1163')  
insert into mmb(MMB_ID, M_ID, B_ID)values(mmb_mmb_id.nextval,'4','1164')  
insert into mmb(MMB_ID, M_ID, B_ID)values(mmb_mmb_id.nextval,'5','1165')  
insert into mmb(MMB_ID, M_ID, B_ID)values(mmb_mmb_id.nextval,'6','1166')  
insert into mmb(MMB_ID, M_ID, B_ID)values(mmb_mmb_id.nextval,'7','1167')  
insert into mmb(MMB_ID, M_ID, B_ID)values(mmb_mmb_id.nextval,'8','1168')  
insert into mmb(MMB_ID, M_ID, B_ID)values(mmb_mmb_id.nextval,'9','1169')  
insert into mmb(MMB_ID, M_ID, B_ID)values(mmb_mmb_id.nextval,'10','1170')
```

MMB_ID	B_ID	M_ID
301	1161	1
302	1162	2
303	1163	3
304	1164	4
305	1165	5
306	1166	6
307	1167	7
308	1168	8
309	1169	9
310	1170	10

12.MMC

TABLE MMC

```
CREATE SEQUENCE MMC_MMCI_ID INCREMENT BY 1 START WITH 361 MAXVALUE 391 NOCACHE
NOCYCLE
SELECT * FROM MENU
SELECT * FROM BEVERAGE
SELECT * FROM MAIN_COURSE
SELECT * FROM MMB
SELECT * FROM MMC
DESC MMC
INSERT INTO MMC(MMC_ID, M_ID, MC_ID)VALUES(MMC_MMCI_ID.NEXTVAL,'1','1101')
INSERT INTO MMC(MMC_ID, M_ID, MC_ID)VALUES(MMC_MMCI_ID.NEXTVAL,'2','1102')
INSERT INTO MMC(MMC_ID, M_ID, MC_ID)VALUES(MMC_MMCI_ID.NEXTVAL,'3','1103')
INSERT INTO MMC(MMC_ID, M_ID, MC_ID)VALUES(MMC_MMCI_ID.NEXTVAL,'4','1104')
INSERT INTO MMC(MMC_ID, M_ID, MC_ID)VALUES(MMC_MMCI_ID.NEXTVAL,'5','1105')
INSERT INTO MMC(MMC_ID, M_ID, MC_ID)VALUES(MMC_MMCI_ID.NEXTVAL,'6','1106')
INSERT INTO MMC(MMC_ID, M_ID, MC_ID)VALUES(MMC_MMCI_ID.NEXTVAL,'7','1107')
INSERT INTO MMC(MMC_ID, M_ID, MC_ID)VALUES(MMC_MMCI_ID.NEXTVAL,'8','1108')
INSERT INTO MMC(MMC_ID, M_ID, MC_ID)VALUES(MMC_MMCI_ID.NEXTVAL,'9','1109')
INSERT INTO MMC(MMC_ID, M_ID, MC_ID)VALUES(MMC_MMCI_ID.NEXTVAL,'10','1110')
```

The screenshot shows the Oracle Database Express Edition SQL Commands interface. The SQL command window contains the script provided above, with the last line being executed. The results window shows a table with three columns: MMC_ID, MC_ID, and M_ID. The data is as follows:

MMC_ID	MC_ID	M_ID
361	1101	1
362	1102	2
363	1103	3
364	1104	4
365	1105	5
366	1106	6
367	1107	7
368	1108	8
369	1109	9
370	1110	10

Below the results, it says "10 rows returned in 0.00 seconds". The bottom status bar shows the application version "Application Express 21.0.0.39" and copyright information "Copyright © 1999, 2006, Oracle. All rights reserved."

13.ORDER

```
SELECT * FROM ORD
CREATE SEQUENCE O1_O_ID INCREMENT BY 1 START WITH 401 MAXVALUE 460 NOCACHE NOCYCLE

INSERT INTO ORD(O_ID, O_DATE, QUANTITY, TOTAL_COST,
NO_OF_ORDER)VALUES(O1_O_ID.NEXTVAL,'02-DEC-12','2','540',Q1_Q1_ID.NEXTVAL)
INSERT INTO ORD(O_ID, O_DATE, QUANTITY, TOTAL_COST,
NO_OF_ORDER)VALUES(O1_O_ID.NEXTVAL,'12-JAN-12','1','100',Q1_Q1_ID.NEXTVAL)
INSERT INTO ORD(O_ID, O_DATE, QUANTITY, TOTAL_COST,
NO_OF_ORDER)VALUES(O1_O_ID.NEXTVAL,'06-FEB-12','5','2000',Q1_Q1_ID.NEXTVAL)
INSERT INTO ORD(O_ID, O_DATE, QUANTITY, TOTAL_COST,
NO_OF_ORDER)VALUES(O1_O_ID.NEXTVAL,'22-FEB-12','3','500',Q1_Q1_ID.NEXTVAL)
INSERT INTO ORD(O_ID, O_DATE, QUANTITY, TOTAL_COST,
NO_OF_ORDER)VALUES(O1_O_ID.NEXTVAL,'02-DEC-12','2','800',Q1_Q1_ID.NEXTVAL)
INSERT INTO ORD(O_ID, O_DATE, QUANTITY, TOTAL_COST,
NO_OF_ORDER)VALUES(O1_O_ID.NEXTVAL,'19-APR-12','2','540',Q1_Q1_ID.NEXTVAL)
INSERT INTO ORD(O_ID, O_DATE, QUANTITY, TOTAL_COST,
NO_OF_ORDER)VALUES(O1_O_ID.NEXTVAL,'13-MAY-12','10','2050',Q1_Q1_ID.NEXTVAL)
INSERT INTO ORD(O_ID, O_DATE, QUANTITY, TOTAL_COST,
NO_OF_ORDER)VALUES(O1_O_ID.NEXTVAL,'30-JUNE-12','1','370',Q1_Q1_ID.NEXTVAL)
INSERT INTO ORD(O_ID, O_DATE, QUANTITY, TOTAL_COST,
NO_OF_ORDER)VALUES(O1_O_ID.NEXTVAL,'27-DEC-12','5','490',Q1_Q1_ID.NEXTVAL)
INSERT INTO ORD(O_ID, O_DATE, QUANTITY, TOTAL_COST,
NO_OF_ORDER)VALUES(O1_O_ID.NEXTVAL,'10-DEC-12','4','670',Q1_Q1_ID.NEXTVAL)
```

The screenshot shows the Oracle Database Express Edition SQL Commands interface. The SQL command window displays the creation of the ORD sequence and the insertion of 12 rows into the ORD table. The results window shows the 12 rows inserted, with columns O_ID, O_DATE, QUANTITY, TOTAL_COST, and NO_OF_ORDER.

SQL Commands

User: HR

Home > SQL > SQL Commands

desc ord
select * from ord;
create sequence o1_o_id increment by 1 start with 401 maxvalue 460 nocache nocycle
insert into ord(O_ID, O_DATE, QUANTITY, TOTAL_COST, NO_OF_ORDER)values(o1_o_id.nextval,'02-dec-12','2','540',q1_q1_id.nextval)
insert into ord(O_ID, O_DATE, QUANTITY, TOTAL_COST, NO_OF_ORDER)values(o1_o_id.nextval,'12-jan-12','1','100',q1_q1_id.nextval)
insert into ord(O_ID, O_DATE, QUANTITY, TOTAL_COST, NO_OF_ORDER)values(o1_o_id.nextval,'06-feb-12','5','2000',q1_q1_id.nextval)
insert into ord(O_ID, O_DATE, QUANTITY, TOTAL_COST, NO_OF_ORDER)values(o1_o_id.nextval,'22-feb-12','3','500',q1_q1_id.nextval)
insert into ord(O_ID, O_DATE, QUANTITY, TOTAL_COST, NO_OF_ORDER)values(o1_o_id.nextval,'02-dec-12','2','800',q1_q1_id.nextval)
insert into ord(O_ID, O_DATE, QUANTITY, TOTAL_COST, NO_OF_ORDER)values(o1_o_id.nextval,'19-apr-12','2','540',q1_q1_id.nextval)
insert into ord(O_ID, O_DATE, QUANTITY, TOTAL_COST, NO_OF_ORDER)values(o1_o_id.nextval,'13-may-12','10','2050',q1_q1_id.nextval)
insert into ord(O_ID, O_DATE, QUANTITY, TOTAL_COST, NO_OF_ORDER)values(o1_o_id.nextval,'30-june-12','1','370',q1_q1_id.nextval)
insert into ord(O_ID, O_DATE, QUANTITY, TOTAL_COST, NO_OF_ORDER)values(o1_o_id.nextval,'27-dec-12','5','490',q1_q1_id.nextval)
insert into ord(O_ID, O_DATE, QUANTITY, TOTAL_COST, NO_OF_ORDER)values(o1_o_id.nextval,'10-dec-12','4','670',q1_q1_id.nextval)

O_ID	O_DATE	QUANTITY	TOTAL_COST	NO_OF_ORDER
414	02-DEC-12	2	540	25
415	12-JAN-12	1	100	26
416	06-FEB-12	5	2000	27
417	22-FEB-12	3	500	28
418	02-DEC-12	2	800	29
419	19-APR-12	2	540	30
420	13-MAY-12	10	2050	31
421	30-JUN-12	1	370	32
422	27-DEC-12	5	490	33
423	10-DEC-12	4	670	34

10 rows returned in 0.00 seconds CSV Export

Language: en-us Application Express 21.0.0.39 Copyright © 1999, 2005, Oracle. All rights reserved.

75°F Haze 12:41 AM 12/12/2022

14.PAYMENT1

```
CREATE SEQUENCE P_P_ID INCREMENT BY 1 START WITH 501 MAXVALUE 560 NOCACHE NOCYCLE

SELECT * FROM PAYMENT1

SELECT * FROM Payment
desc payment
insert into PAYMENT(P_ID, P_TYPE, AMOUNT, CASH_ON_DELIVERY,CARD) VALUES (P_P_id.NEXTVAL , 'CARD' , '1040' , NULL,'CONFIRM')
insert into PAYMENT(P_ID, P_TYPE, AMOUNT, CASH_ON_DELIVERY,CARD) VALUES (P_P_id.NEXTVAL , 'CARD' , '390' , NULL,'CONFIRM')
insert into PAYMENT(P_ID, P_TYPE, AMOUNT, CASH_ON_DELIVERY,CARD) VALUES (P_P_id.NEXTVAL , 'COD' , '1250' , 'CONFIRM' , NULL)
insert into PAYMENT(P_ID, P_TYPE, AMOUNT, CASH_ON_DELIVERY,CARD) VALUES (P_P_id.NEXTVAL , 'COD' , '1350' , 'CONFIRM' , NULL)
insert into PAYMENT(P_ID, P_TYPE, AMOUNT, CASH_ON_DELIVERY,CARD) VALUES (P_P_id.NEXTVAL , 'CARD' , '740' , NULL,'CONFIRM')
insert into PAYMENT(P_ID, P_TYPE, AMOUNT, CASH_ON_DELIVERY,CARD) VALUES (P_P_id.NEXTVAL , 'COD' , '530' , 'CONFIRM' , NULL)
insert into PAYMENT(P_ID, P_TYPE, AMOUNT, CASH_ON_DELIVERY,CARD) VALUES (P_P_id.NEXTVAL , 'COD' , '400' , 'CONFIRM' , NULL)
insert into PAYMENT(P_ID, P_TYPE, AMOUNT, CASH_ON_DELIVERY,CARD) VALUES (P_P_id.NEXTVAL , 'CARD' , '890' , NULL,'CONFIRM')
insert into PAYMENT(P_ID, P_TYPE, AMOUNT, CASH_ON_DELIVERY,CARD) VALUES (P_P_id.NEXTVAL , 'COD' , '570' , 'CONFIRM' , NULL)
insert into PAYMENT(P_ID, P_TYPE, AMOUNT, CASH_ON_DELIVERY,CARD) VALUES (P_P_id.NEXTVAL , 'COD' , '1180' , 'CONFIRM' , NULL)
```

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window displays the creation of sequence P_P_id and the insertion of 13 rows into the PAYMENT table. The results window shows the data inserted, and the bottom status bar indicates 10 rows returned in 0.01 seconds.

```
create sequence P_P_id increment by 1 start with 501 maxvalue 560 nocache nocycle
SELECT * FROM Payment
desc payment
insert into PAYMENT(P_ID, P_TYPE, AMOUNT, CASH_ON_DELIVERY,CARD) VALUES (P_P_id.NEXTVAL , 'CARD' , '1040' , NULL,'CONFIRM')
insert into PAYMENT(P_ID, P_TYPE, AMOUNT, CASH_ON_DELIVERY,CARD) VALUES (P_P_id.NEXTVAL , 'CARD' , '390' , NULL,'CONFIRM')
insert into PAYMENT(P_ID, P_TYPE, AMOUNT, CASH_ON_DELIVERY,CARD) VALUES (P_P_id.NEXTVAL , 'COD' , '1250' , 'CONFIRM' , NULL)
insert into PAYMENT(P_ID, P_TYPE, AMOUNT, CASH_ON_DELIVERY,CARD) VALUES (P_P_id.NEXTVAL , 'COD' , '1350' , 'CONFIRM' , NULL)
insert into PAYMENT(P_ID, P_TYPE, AMOUNT, CASH_ON_DELIVERY,CARD) VALUES (P_P_id.NEXTVAL , 'CARD' , '740' , NULL,'CONFIRM')
insert into PAYMENT(P_ID, P_TYPE, AMOUNT, CASH_ON_DELIVERY,CARD) VALUES (P_P_id.NEXTVAL , 'COD' , '530' , 'CONFIRM' , NULL)
insert into PAYMENT(P_ID, P_TYPE, AMOUNT, CASH_ON_DELIVERY,CARD) VALUES (P_P_id.NEXTVAL , 'COD' , '400' , 'CONFIRM' , NULL)
insert into PAYMENT(P_ID, P_TYPE, AMOUNT, CASH_ON_DELIVERY,CARD) VALUES (P_P_id.NEXTVAL , 'CARD' , '890' , NULL,'CONFIRM')
insert into PAYMENT(P_ID, P_TYPE, AMOUNT, CASH_ON_DELIVERY,CARD) VALUES (P_P_id.NEXTVAL , 'COD' , '570' , 'CONFIRM' , NULL)
insert into PAYMENT(P_ID, P_TYPE, AMOUNT, CASH_ON_DELIVERY,CARD) VALUES (P_P_id.NEXTVAL , 'COD' , '1180' , 'CONFIRM' , NULL)
```

P_ID	AMOUNT	P_TYPE	CASH_ON_DELIVERY	CARD
502	1040	CARD	-	CONFIRM
503	390	CARD	-	CONFIRM
506	1250	COD	CONFIRM	-
507	1350	COD	CONFIRM	-
508	740	CARD	-	CONFIRM
509	530	COD	CONFIRM	-
510	400	COD	CONFIRM	-
511	890	CARD	-	CONFIRM
512	570	COD	CONFIRM	-
513	1180	COD	CONFIRM	-

10 rows returned in 0.01 seconds [CSV Export](#)

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Language: en-us

74°F Haze

Search

10:39 PM 12/13/2022

15.RESTARUANT2

```
CREATE SEQUENCE R2_R_ID INCREMENT BY 1 START WITH 701 MAXVALUE 760 NOCACHE
NOCYCLE
DESC RESTURANT2
SELECT * FROM RESTURANT2

INSERT INTO RESTURANT2(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID) VALUES
(R2_R_ID.NEXTVAL , 'KFC' , 'KFC@GMAIL.COM' , 'BLOCK-6','01715142356' , '606')
INSERT INTO RESTURANT2(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID) VALUES
(R2_R_ID.NEXTVAL , 'BFC' , 'BFC@GMAIL.COM' , 'BLOCK-7','01715142357' , '603')
INSERT INTO RESTURANT2(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID) VALUES
(R2_R_ID.NEXTVAL , 'YUM CHA DISTRICT' , 'YUMCHACHA@GMAIL.COM' , 'BLOCK-
8','01715142236' , '605')
INSERT INTO RESTURANT2(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID) VALUES
(R2_R_ID.NEXTVAL , 'CHILLOX' , 'CHILLOX2@GMAIL.COM' , 'BLOCK-9','01715142346' , '607')
INSERT INTO RESTURANT2(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID) VALUES
(R2_R_ID.NEXTVAL , 'CHECKERS' , 'CHECKERS2@GMAIL.COM' , 'BLOCK-2','01715142359' , '608')
INSERT INTO RESTURANT2(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID) VALUES
(R2_R_ID.NEXTVAL , 'LA TING TING' , 'LATINTING@GMAIL.COM' , 'BLOCK-3','01715142360'
,'609')
INSERT INTO RESTURANT2(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID) VALUES
(R2_R_ID.NEXTVAL , 'KABAB FACTORY' , 'KABABFAC@GMAIL.COM' , 'BLOCK-4','01715142307'
,'610')
INSERT INTO RESTURANT2(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID) VALUES
(R2_R_ID.NEXTVAL , 'SAO 26' , 'SAO26@GMAIL.COM' , 'BLOCK-5','01715142308' , '611')
INSERT INTO RESTURANT2(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID) VALUES
(R2_R_ID.NEXTVAL , 'LAKE TERRACE' , 'LAKETER@GMAIL.COM' , 'BLOCK-1','01715142309' , '612')
INSERT INTO RESTURANT2(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID) VALUES
(R2_R_ID.NEXTVAL , 'BURGER KING ' , 'BKB@GMAIL.COM' , 'BLOCK-12','01715142310' , '613')
```

SQL Commands 127.0.0.1:8080/apex/f?p=4500:1003:407942952163651:NO::

ORACLE Database Express Edition

User HR

Home > SQL > SQL Commands

Autocommit Display 10 Save Run

```
INSERT INTO RESTAURANT2(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID) VALUES (R2_R_ID.NEXTVAL, 'KFC', 'KFC@GMAIL.COM', 'BLOCK-6', '01715142356', '606')
INSERT INTO RESTAURANT2(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID) VALUES (R2_R_ID.NEXTVAL, 'BFC', 'BFC@GMAIL.COM', 'BLOCK-7', '01715142357', '603')
INSERT INTO RESTAURANT2(R_ID, R_NAME, R_ADDRESS, R_PHONE, C_ID) VALUES (R2_R_ID.NEXTVAL, 'YUM CHA DISTRICT', 'YUMCHACHA@GMAIL.COM', 'BLOCK-8', '01715142236', '605')
INSERT INTO RESTAURANT2(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID) VALUES (R2_R_ID.NEXTVAL, 'CHILLOX', 'CHILLOX@GMAIL.COM', 'BLOCK-9', '01715142346', '607')
INSERT INTO RESTAURANT2(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID) VALUES (R2_R_ID.NEXTVAL, 'CHECKERS', 'CHECKERS2@GMAIL.COM', 'BLOCK-2', '01715142359', '608')
INSERT INTO RESTAURANT2(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID) VALUES (R2_R_ID.NEXTVAL, 'LA TING TING', 'LATTINGTING@GMAIL.COM', 'BLOCK-3', '01715142360', '609')
INSERT INTO RESTAURANT2(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID) VALUES (R2_R_ID.NEXTVAL, 'KABAB FACTORY', 'KABABFAC@GMAIL.COM', 'BLOCK-4', '01715142307', '610')
INSERT INTO RESTAURANT2(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID) VALUES (R2_R_ID.NEXTVAL, 'SAO 26', 'SAO26@GMAIL.COM', 'BLOCK-5', '01715142308', '611')
INSERT INTO RESTAURANT2(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID) VALUES (R2_R_ID.NEXTVAL, 'LAKE TERRACE', 'LAKETER@GMAIL.COM', 'BLOCK-1', '01715142309', '612')
INSERT INTO RESTAURANT2(R_ID, R_NAME, R_EMAIL, R_ADDRESS, R_PHONE, C_ID) VALUES (R2_R_ID.NEXTVAL, 'BURGER KING', 'BK@GMAIL.COM', 'BLOCK-12', '01715142310', '613')
SELECT * FROM RESTAURANT2
```

Results Explain Describe Saved SQL History

R_ID	R_NAME	R_EMAIL	R_ADDRESS	R_PHONE	C_ID
706	KFC	KFC@GMAIL.COM	BLOCK-6	1715142356	606
707	BFC	BFC@GMAIL.COM	BLOCK-7	1715142357	603
708	YUM CHA DISTRICT	YUMCHACHA@GMAIL.COM	BLOCK-8	1715142236	605
709	CHILLOX	CHILLOX@GMAIL.COM	BLOCK-9	1715142346	607
710	CHECKERS	CHECKERS2@GMAIL.COM	BLOCK-2	1715142359	608
711	LATING TING	LATTINGTING@GMAIL.COM	BLOCK-3	1715142360	609
712	KABAB FACTORY	KABABFAC@GMAIL.COM	BLOCK-4	1715142307	610
713	SAO 26	SAO26@GMAIL.COM	BLOCK-5	1715142308	611
714	LAKE TERRACE	LAKETER@GMAIL.COM	BLOCK-1	1715142309	612
715	BURGER KING	BK@GMAIL.COM	BLOCK-12	1715142310	613

10 rows returned in 0.03 seconds [CSV Export](#)

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Language: en-us

7°F Haze  2:40 AM 12/14/2022

16. FR:

TABLE FR

```
CREATE SEQUENCE FR_FR_ID INCREMENT BY 1 START WITH 9901 MAXVALUE 9960
NOCACHE NOCYCLE
```

```
SELECT*FROM FR
```

```
INSERT INTO FR(FR_ID,F_ID,R_ID) VALUES (FR_FR_ID.NEXTVAL, '901', '704')
INSERT INTO FR(FR_ID,F_ID,R_ID) VALUES (FR_FR_ID.NEXTVAL, '902', '706')
INSERT INTO FR(FR_ID,F_ID,R_ID) VALUES (FR_FR_ID.NEXTVAL, '903', '707')
INSERT INTO FR(FR_ID,F_ID,R_ID) VALUES (FR_FR_ID.NEXTVAL, '904', '708')
INSERT INTO FR(FR_ID,F_ID,R_ID) VALUES (FR_FR_ID.NEXTVAL, '905', '709')
INSERT INTO FR(FR_ID,F_ID,R_ID) VALUES (FR_FR_ID.NEXTVAL, '906', '710')
INSERT INTO FR(FR_ID,F_ID,R_ID) VALUES (FR_FR_ID.NEXTVAL, '907', '711')
INSERT INTO FR(FR_ID,F_ID,R_ID) VALUES (FR_FR_ID.NEXTVAL, '908', '712')
INSERT INTO FR(FR_ID,F_ID,R_ID) VALUES (FR_FR_ID.NEXTVAL, '909', '713')
INSERT INTO FR(FR_ID,F_ID,R_ID) VALUES (FR_FR_ID.NEXTVAL, '910', '714')
```

SQL Commands + | - | X
User HR
Home > SQL > SQL Commands
 Autocommit Display 50 Save Run

```
create sequence FR.FR_id increment by 1 start with 9901 maxvalue 9960 nocache nocycle
SELECT * FROM FR
DESC FR

INSERT INTO FR(FR_ID,F_ID,R_ID) VALUES (FR_FR_ID.NEXTVAL,'901','704')
INSERT INTO FR(FR_ID,F_ID,R_ID) VALUES (FR_FR_ID.NEXTVAL,'902','706')
INSERT INTO FR(FR_ID,F_ID,R_ID) VALUES (FR_FR_ID.NEXTVAL,'903','707')
INSERT INTO FR(FR_ID,F_ID,R_ID) VALUES (FR_FR_ID.NEXTVAL,'904','708')
INSERT INTO FR(FR_ID,F_ID,R_ID) VALUES (FR_FR_ID.NEXTVAL,'905','709')
INSERT INTO FR(FR_ID,F_ID,R_ID) VALUES (FR_FR_ID.NEXTVAL,'906','710')
INSERT INTO FR(FR_ID,F_ID,R_ID) VALUES (FR_FR_ID.NEXTVAL,'907','711')
INSERT INTO FR(FR_ID,F_ID,R_ID) VALUES (FR_FR_ID.NEXTVAL,'908','712')
INSERT INTO FR(FR_ID,F_ID,R_ID) VALUES (FR_FR_ID.NEXTVAL,'909','713')
INSERT INTO FR(FR_ID,F_ID,R_ID) VALUES (FR_FR_ID.NEXTVAL,'910','714')
```

Results Explain Describe Saved SQL History

FR_ID	F_ID	R_ID
9902	901	704
9903	902	706
9904	903	707
9905	904	708
9906	905	709
9907	906	710
9908	907	711
9909	908	712
9910	909	713
9911	910	714

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

Language: en-us Application Express 2.1.0.0.39 Copyright © 1999, 2006, Oracle. All rights reserved.

74°F Haze Search      10:45 PM 12/13/2022

17.CART:

```
SELECT * FROM ORD
SELECT * FROM CART
CREATE SEQUENCE CC1_CC_ID INCREMENT BY 1 START WITH 501 MAXVALUE 560 NOCACHE
NOCYCLE
INSERT INTO CART(CART_ID, NO_OF_FOOD, TOTAL_COST, O_ID) VALUES
(CC1_CC_ID.NEXTVAL,'1','100','414')
INSERT INTO CART(CART_ID, NO_OF_FOOD, TOTAL_COST,
O_ID)VALUES(CC1_CC_ID.NEXTVAL,'2','200','415')
INSERT INTO CART(CART_ID, NO_OF_FOOD, TOTAL_COST,
O_ID)VALUES(CC1_CC_ID.NEXTVAL,'3','300','416')
INSERT INTO CART(CART_ID, NO_OF_FOOD, TOTAL_COST,
O_ID)VALUES(CC1_CC_ID.NEXTVAL,'4','400','415')
INSERT INTO CART(CART_ID, NO_OF_FOOD, TOTAL_COST,
O_ID)VALUES(CC1_CC_ID.NEXTVAL,'5','500','417')
INSERT INTO CART(CART_ID, NO_OF_FOOD, TOTAL_COST,
O_ID)VALUES(CC1_CC_ID.NEXTVAL,'16','1600','418')
INSERT INTO CART(CART_ID, NO_OF_FOOD, TOTAL_COST,
O_ID)VALUES(CC1_CC_ID.NEXTVAL,'7','700','419')
INSERT INTO CART(CART_ID, NO_OF_FOOD, TOTAL_COST,
O_ID)VALUES(CC1_CC_ID.NEXTVAL,'8','800','414')
INSERT INTO CART(CART_ID, NO_OF_FOOD, TOTAL_COST,
O_ID)VALUES(CC1_CC_ID.NEXTVAL,'9','900','416')
INSERT INTO CART(CART_ID, NO_OF_FOOD, TOTAL_COST,
O_ID)VALUES(CC1_CC_ID.NEXTVAL,'11','1000','417')
```

SQL Commands

127.0.0.1:8080/apex/f?p=4500:1003:407942952163651:NO::

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User HR

Home > SQL > SQL Commands

Autocommit

```

CREATE SEQUENCE CC1_CC_ID INCREMENT BY 1 START WITH 501 MAXVALUE 560 NOCACHE NOCYCLE
INSERT INTO CART(CART_ID, NO_OF_FOOD, TOTAL_COST, O_ID) VALUES (CC1_CC_ID.NEXTVAL,'1','100','414')
INSERT INTO CART(CART_ID, NO_OF_FOOD, TOTAL_COST, O_ID)VALUES(CC1_CC_ID.NEXTVAL,'2','200','415')
INSERT INTO CART(CART_ID, NO_OF_FOOD, TOTAL_COST, O_ID)VALUES(CC1_CC_ID.NEXTVAL,'3','300','416')
INSERT INTO CART(CART_ID, NO_OF_FOOD, TOTAL_COST, O_ID)VALUES(CC1_CC_ID.NEXTVAL,'4','400','415')
INSERT INTO CART(CART_ID, NO_OF_FOOD, TOTAL_COST, O_ID)VALUES(CC1_CC_ID.NEXTVAL,'5','500','417')
INSERT INTO CART(CART_ID, NO_OF_FOOD, TOTAL_COST, O_ID)VALUES(CC1_CC_ID.NEXTVAL,'16','1600','418')
INSERT INTO CART(CART_ID, NO_OF_FOOD, TOTAL_COST, O_ID)VALUES(CC1_CC_ID.NEXTVAL,'7','700','419')
INSERT INTO CART(CART_ID, NO_OF_FOOD, TOTAL_COST, O_ID)VALUES(CC1_CC_ID.NEXTVAL,'8','800','414')
INSERT INTO CART(CART_ID, NO_OF_FOOD, TOTAL_COST, O_ID)VALUES(CC1_CC_ID.NEXTVAL,'9','900','416')
INSERT INTO CART(CART_ID, NO_OF_FOOD, TOTAL_COST, O_ID)VALUES(CC1_CC_ID.NEXTVAL,'11','1000','417')
SELECT * FROM CART

```

Results Explain Describe Saved SQL History

CART_ID	NO_OF_FOOD	TOTAL_COST	O_ID
501	1	100	414
502	2	200	415
503	3	300	416
504	4	400	415
505	5	500	417
506	16	1600	418
507	7	700	419
508	8	800	414
509	9	900	416
510	11	1000	417

10 rows returned in 0.03 seconds [CSV Export](#)

Language: en-us Application Express 2.1.0.0.39 Copyright © 1999, 2006, Oracle. All rights reserved.

7°F Haze 2:43 AM 12/14/2022

19.REVIEW1:

```

SELECT * FROM REVIEW1
DESC REVIEW
INSERT INTO REVIEW1(REVIEW1_ID, FOOD, SUGGESTIONS, COMMENTS, RATE)
VALUES('1001','BURGER',NULL,'GOOD','5')
INSERT INTO REVIEW1(REVIEW1_ID, FOOD, SUGGESTIONS, COMMENTS, RATE)
VALUES('1002','BIRIYANI',NULL,'EXCELLENT','8')
INSERT INTO REVIEW1(REVIEW1_ID, FOOD, SUGGESTIONS, COMMENTS, RATE)
VALUES('1003','COFFEE','BLAND','BAD','2')

```

```

INSERT INTO REVIEW1(REVIEW1_ID, FOOD, SUGGESTIONS, COMMENTS, RATE)
VALUES('1004','PIZZA',NULL,'GOOD','5')
INSERT INTO REVIEW1(REVIEW1_ID, FOOD, SUGGESTIONS, COMMENTS, RATE)
VALUES('1005','NACHOS',NULL,'GOOD','5')
INSERT INTO REVIEW1(REVIEW1_ID, FOOD, SUGGESTIONS, COMMENTS, RATE)
VALUES('1006','FRIED CHICKEN','INCLUDE SAUCE','GOOD','5')
INSERT INTO REVIEW1(REVIEW1_ID, FOOD, SUGGESTIONS, COMMENTS, RATE)
VALUES('1007','KHICHURI','MORE SPICES REQUIRED','AVERAGE','3')
INSERT INTO REVIEW1(REVIEW1_ID, FOOD, SUGGESTIONS, COMMENTS, RATE)
VALUES('1008','PIZZA',NULL,'GOOD','4')
INSERT INTO REVIEW1(REVIEW1_ID, FOOD, SUGGESTIONS, COMMENTS, RATE)
VALUES('1009','RICE',NULL,'VERY GOOD','5')
INSERT INTO REVIEW1(REVIEW1_ID, FOOD, SUGGESTIONS, COMMENTS, RATE)
VALUES('1010','SOUP','COOK WELL',NULL,'1')

```

The screenshot shows the Oracle Database Express Edition interface. The top window displays the SQL script for creating and inserting data into the REVIEW1 table. Below it, the results window shows the data inserted into the table.

```

DROP TABLE REVIEW
Select * from review1
delete review1
insert into review1(REVIEW1_ID, FOOD, SUGGESTIONS, COMMENTS, RATE)values('1001','BURGER',NULL,'GOOD','5')
insert into review1(REVIEW1_ID, FOOD, SUGGESTIONS, COMMENTS, RATE)values('1002','BIRYANI',NULL,'EXCELLENT','8')
insert into review1(REVIEW1_ID, FOOD, SUGGESTIONS, COMMENTS, RATE)values('1003','COFFEE',BLAND,'BAD','2')
insert into review1(REVIEW1_ID, FOOD, SUGGESTIONS, COMMENTS, RATE)values('1004','PIZZA',NULL,'GOOD','5')
insert into review1(REVIEW1_ID, FOOD, SUGGESTIONS, COMMENTS, RATE)values('1005','NACHOS',NULL,'GOOD','5')
insert into review1(REVIEW1_ID, FOOD, SUGGESTIONS, COMMENTS, RATE)values('1006','FRIED CHICKEN','INCLUDE SAUCE','GOOD','5')
insert into review1(REVIEW1_ID, FOOD, SUGGESTIONS, COMMENTS, RATE)values('1007','KHICHURI','MORE SPICES REQUIRED','AVERAGE','3')
insert into review1(REVIEW1_ID, FOOD, SUGGESTIONS, COMMENTS, RATE)values('1008','PIZZA',NULL,'GOOD','4')
insert into review1(REVIEW1_ID, FOOD, SUGGESTIONS, COMMENTS, RATE)values('1009','RICE',NULL,'VERY GOOD','5')
insert into review1(REVIEW1_ID, FOOD, SUGGESTIONS, COMMENTS, RATE)values('1010','SOUP','COOK WELL',NULL,'1')

```

REVIEW1_ID	FOOD	SUGGESTIONS	COMMENTS	RATE
1001	BURGER	-	GOOD	5
1010	SOUP	COOK WELL	-	1
1009	RICE	-	VERY GOOD	5
1008	PIZZA	-	GOOD	4
1007	KHICHURI	MORE SPICES REQUIRED	AVERAGE	3
1002	BIRYANI	-	EXCELLENT	8
1003	COFFEE	BLAND	BAD	2
1004	PIZZA	-	GOOD	5
1005	NACHOS	-	GOOD	5
1006	FRIED CHICKEN	INCLUDE SAUCE	GOOD	5

10 rows returned in 0.06 seconds CSV Export

Language: en-us Application Express 2.1 0 0 39
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QUERY WRITING:

JOINING:

1. FIND THE CUSTOMER ID, NAME AND RESTURANT NAME WITH THE SAME DELIVERY ID

ANSWER: SELECT C1.C_ID, C1.C_NAME, C1.D_ID, R1.D_ID, R1.R_NAME
FROM CUSTOMER1 C1, RESTURANT1 R1
WHERE C1.D_ID=R1.D_ID;

The screenshot shows the Oracle Database Express Edition interface. The URL in the address bar is 127.0.0.1:8080/apex/f?p=4500:1003:2731782393050937::NO:::1. The main area displays the SQL query:

```
1. Find the customer id, name and resturant name with the same delivery id
SELECT c1.c_id, c1.c_name, c1.d_id, r1.d_id, r1.r_name
  FROM customer1 c1,resturant1 r1
 WHERE c1.d_id=r1.d_id;
```

Below the query, the results are displayed in a table:

C_ID	C_NAME	D_ID	D_ID	R_NAME
603	Aallyah	801	801	KFC
613	Iyad	809	809	Lake Terrace
612	Zaki	808	808	Sao 26
611	SHARIHA	807	807	Kabab Factory
610	Wafli	806	806	La Ting Ting
609	DOLA	805	805	Checkers
608	Ehsan	804	804	CHILLOX
607	Ishtar	804	804	CHILLOX
606	Eliham	803	803	yum cha district
605	Djamila	802	802	BFC

10 rows returned in 0.03 seconds [CSV Export](#)

At the bottom, the system status bar shows: Language: en-us, Application Express 2.1.0.0.39, Copyright © 1999, 2006, Oracle. All rights reserved., 12:27 AM, 12/14/2022.

2. DISPLAY DELIVERY MANS NAME , ID AND WHICH RESTURANT THEY WORK FOR

ANSWER: SELECT D.D_ID, D.D_NAME, R1.R_NAME
FROM DELIVERY_MAN D, RESTURANT1 R1
WHERE D.D_ID=R1.D_ID;

The screenshot shows the Oracle Database Express Edition SQL Commands interface. The SQL command entered is:

```
2. Display delivery mans name , id and which restaurant they work for
SELECT d.d_id, d.d_name, r1.r_name
  FROM delivery_man d, restaurant1 r1
 WHERE d.d_id=r1.d_id;
```

The results section displays a table with the following data:

D_ID	D_NAME	R_NAME
801	ALAMQIR	KFC
810	ALIF	Burger King
809	GIR	Lake Terrace
808	ALI	Sao 26
807	MIR	Kabab Factory
806	ALA	La Ting Ting
805	RAM	Checkers
804	ALAM	CHILLOX
803	NAHAR	yum cha district
802	ALAMGI	BFC

10 rows returned in 0.00 seconds

CSV Export

Language: en-us Application Express 2.1.0.0.39 Copyright © 1999, 2006, Oracle. All rights reserved.

12:27 AM 12/14/2022

3. FIND EMPLOYEES WHO IS PART OF THE STAFF AND ID IS BETWEEN 2002 TO 2008

ANSWER: SELECT WORKER.E_NAME || ' WORK AS A STAFF -----'||WORK.STAFF_STAFF_INFO

```
FROM EMPLOYEE WORKER, EMPLOYEE WORK  
WHERE WORKER.E_ID = WORK.E_ID AND WORKER.E_ID BETWEEN 2002 AND  
2008
```

The screenshot shows the Oracle Database Express Edition SQL Commands interface. The SQL command entered is:

```
3. find employees who is part of the staff and id is between 2002 to 2008  
  
SELECT worker.e_name || ' work as a staff ----- '||work.staff_Staff_Info  
FROM employee worker, employee work  
WHERE worker.e_id = work.e_id and worker.e_id between 2002 and 2008
```

The results section displays the output:

STAFF_INFO
OTHOY work as a staff ----- yes
ESHYAK work as a staff ----- yes
BRIGHTY work as a staff ----- yes
SARA work as a staff ----- yes
ZAAARA work as a staff ----- yes
RAHMAN work as a staff ----- yes
AMAN work as a staff ----- yes

7 rows returned in 0.00 seconds

CSV Export

Language: en-us Application Express 2.1.0.0.39 Copyright © 1999, 2006, Oracle. All rights reserved.

4.DISPLAY THE NAME OF ALL THE EMPLOYEES WHO ARE 21 YEAR OLD USING JOINING METHOD.

ANSWER: SELECT E.E_NAME, EM.AGE FROM EMPLOYEE E, EMPLOYEE EM WHERE EM.AGE = E.AGE AND E.AGE = 21

The screenshot shows the Oracle Database Express Edition SQL Commands interface. The URL in the address bar is 127.0.0.1:8080/apex/f?p=4500:1003:2731782393050937:NO::.

In the SQL Commands editor, the following SQL query is entered:

```
4.      Display the name of all the employees who are 21 year old using joining method.  
select e.e_name, em.age from employee e, employee em where e.age = 21 AND em.E_ID = e.E_ID
```

The results pane displays the output of the query:

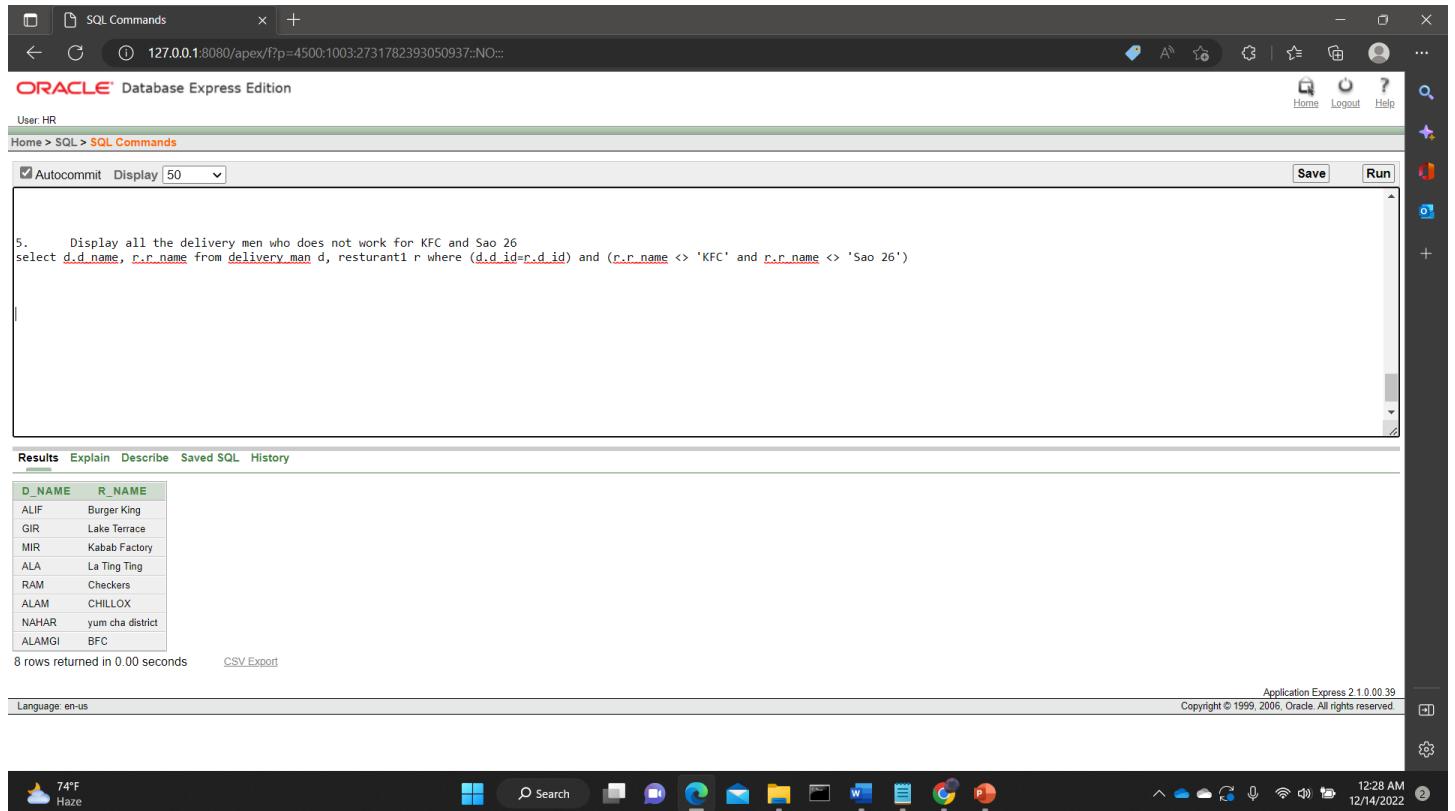
E_NAME	AGE
OTHOY	21
SARA	21

Below the table, it says "2 rows returned in 0.01 seconds" and there is a "CSV Export" link.

At the bottom of the screen, there is a Windows taskbar with various icons and a system tray showing the date and time (12:28 AM 12/14/2022).

5.DISPLAY ALL THE DELIVERY MEN WHO DOES NOT WORK FOR KFC AND SAO 26

ANSWER: SELECT D.D_NAME, R.R_NAME FROM DELIVERY_MAN D,
RESTURANT1 R WHERE (D.D_ID=R.D_ID) AND (R.R_NAME <> 'KFC' AND
R.R_NAME <> 'SAO 26')



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

```
5.      Display all the delivery men who does not work for KFC and Sao 26
select d.d_name, r.r_name from delivery_man d, resturant1 r where (d.d_id=r.d_id) and (r.r_name <> 'KFC' and r.r_name <> 'Sao 26')
```

The Results tab shows the output of the query:

D_NAME	R_NAME
ALIF	Burger King
GIR	Lake Terrace
MIR	Kabab Factory
ALA	La Ting Ting
RAM	Checkers
ALAM	CHILLOX
NAHAR	yum cha district
ALAMGI	BFC

Below the table, it says "8 rows returned in 0.00 seconds". The bottom status bar shows "Language: en-us", "Application Express 2.1.0.00.39", "Copyright © 1999, 2006, Oracle. All rights reserved.", and the date "12/14/2022".

SUB-QUERY:

1. DISPLAY CUSTOMER ID, ADDRESS, PHONE OFF ALL CUSTOMERS WHOSE NAME STARTS WITH S

ANSWER: SELECT C_NAME,C_ID,C_ADDRESS,C_PHONE FROM CUSTOMER1
WHERE C_NAME=(SELECT C_NAME FROM CUSTOMER1 WHERE C_NAME LIKE 'S%')

User: HR

Home > SQL > SQL Commands

Autocommit Display 10 ▾

```
1Display customer id,address,phone off all customers whose name starts with D
select C_NAME,c_id,c_address,c_phone from customer1
where c_name=(select c_name from customer1 where c_name like 'S%')
```

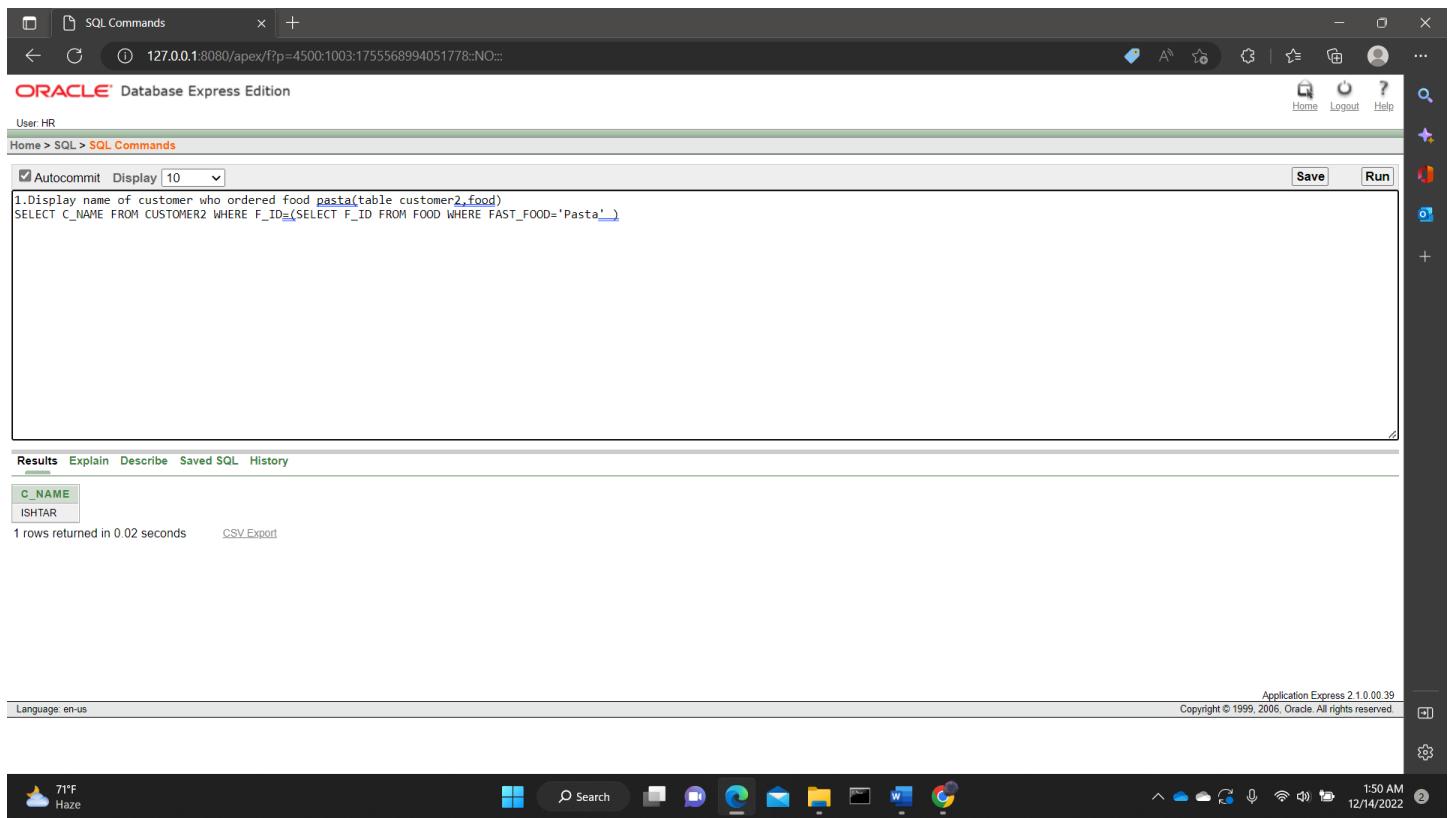
Results Explain Describe Saved SQL History

C_NAME	C_ID	C_ADDRESS	C_PHONE
SHARIHA	608	H#17-R#87-BLOCK7	134567287

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

2.DISPLAY NAME OF CUSTOMER WHO ORDERED FOOD PASTA TABLE CUSTOMER2, FOOD

ANSWER: SELECT C_NAME FROM CUSTOMER2 WHERE F_ID=(SELECT F_ID FROM FOOD WHERE FAST_FOOD='PASTA')



The screenshot shows the Oracle Database Express Edition SQL Commands interface. The SQL command entered is:

```
1.Display name of customer who ordered food pasta(table customer2.food)
SELECT C_NAME FROM CUSTOMER2 WHERE F_ID=(SELECT F_ID FROM FOOD WHERE FAST_FOOD='Pasta')
```

The results show one row returned:

C_NAME
ISHTAR

1 rows returned in 0.02 seconds

CSV Export

Language: en-us Application Express 21.0.0.39 Copyright © 1999, 2006, Oracle. All rights reserved.

3. DISPLAY NOOFORDER FROM ORDER TABLE WHO ORDERED AFTER ORDERID 419

ANSWER: SELECT NO_OF_ORDER FROM ORD WHERE O_DATE>(SELECT O_DATE FROM ORD WHERE O_ID=419)

The screenshot shows the Oracle Database Express Edition SQL Commands interface. The SQL command entered is:

```
select NO_OF_ORDER from ord where o_date > (select o_date from ord where o_id=419)
```

The results are displayed in a table:

NO_OF_ORDER
25
29
31
32
33
34

Below the table, it says "6 rows returned in 0.00 seconds".

At the bottom, there are system status icons and a timestamp: "1:51 AM 12/14/2022".

4.DISPLAY DELIVERY MAN NAME AND PHONE NUMBER FOR ALL DELIVERY MAN WHO DELIVERED TO BLOCK12 (FROM TABLE DELIVERYMAN, RESTURANT1)

ANSWER: SELECT D_NAME, D_PHONE FROM DELIVERY_MAN WHERE D_ID IN (SELECT D_ID FROM RESTURANT1 WHERE R_ADDRESS = 'BLOCK-12')

The screenshot shows a MySQL query editor interface. At the top, there are checkboxes for 'Autocommit' and 'Display', followed by a dropdown menu set to '10'. Below this is a text input field containing the SQL query. The query consists of two parts: a comment 'Display no of order from order table who ordered after orderid 419' and the main query 'select d_name, d_phone from delivery_man where d_id in (select d_id from restaurant1 where r_address = 'Block-12')'. After the query is executed, the results are displayed in a table at the bottom. The table has two columns: 'D_NAME' and 'D_PHONE'. A single row is shown with the values 'NAHAR' and '1817165899'. Below the table, it says '1 rows returned in 0.00 seconds' and there is a link to 'CSV Export'.

D_NAME	D_PHONE
NAHAR	1817165899

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

5. DISPLAY THE CUSTOMERS NAME AND ID WHOSE DELIVERY MAN'S ID IS 804

ANSWER: SELECT C_ID, C_NAME FROM CUSTOMER1 WHERE C_ADDRESS IN (SELECT C_ADDRESS FROM CUSTOMER1 WHERE D_ID = 804)

User: HR

Home > SQL > **SQL Commands**

Autocommit Display 10 ▾

5.Display the customers name and ID whose delivery man's ID is 804

```
select c_id, c_name from customer1 where c_address in (select c_address from customer1 where d_id = 804)
```

Results Explain Describe Saved SQL History

C_ID	C_NAME
604	ISHTAR
605	EHSAN

GROUP FUNCTION

1.FIND THE OLDEST AND YOUNGEST STAFF IN EMPLOYEE TABLE

ANSWER: SELECT MAX(AGE) OLDEST, MIN(AGE) YOUNGEST FROM EMPLOYEE

The screenshot shows the Oracle Database Express Edition SQL Commands interface. The SQL command entered is:

```
1.Find the oldest and youngest staff in employee table  
select max(age) oldest, min(age) youngest from employee
```

The results section displays the output:

OLDEST	YOUNGEST
62	20

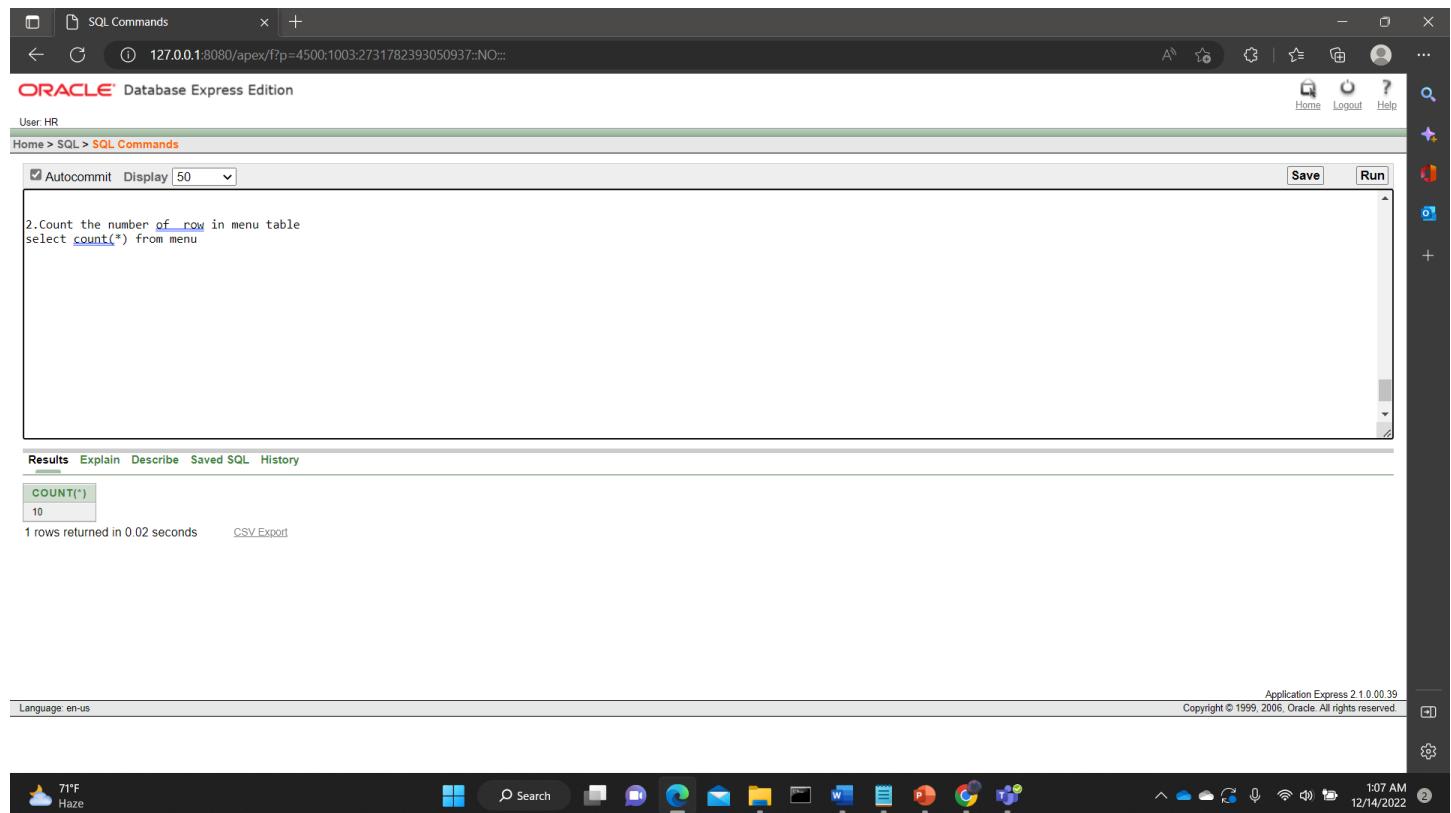
1 rows returned in 0.00 seconds

CSV Export

Language: en-us Application Express 2.1.0.0.39 Copyright © 1999, 2006, Oracle. All rights reserved.

2.COUNT THE NUMBER OF ROW IN MENU TABLE

ANSWER: SELECT COUNT(*) FROM MENU



The screenshot shows the Oracle Database Express Edition SQL Commands interface. The URL in the address bar is 127.0.0.1:8080/apex/f?p=4500:1003:2731782393050937::NO:::. The user is HR. The SQL command entered is:

```
2.Count the number of row in menu table
select count(*) from menu
```

The results section shows the output:

COUNT(*)
10

1 rows returned in 0.02 seconds. There is a CSV Export link.

At the bottom, the system tray shows the date and time: 12/14/2022 1:07 AM.

3. FIND EMPLOYEES WHOSE ID IS ABOVE 2007 USING GROUP FUNCTION

ANSWER: SELECT MAX(E_ID) MID, E_NAME FROM EMPLOYEE GROUP BY E_NAME HAVING AVG(E_ID)<2007

The screenshot shows the Oracle Database Express Edition SQL Commands interface. The SQL command entered is:

```
3. Find employees whose id is above 2007 using group function
select max(e_id) MID, e_name from employee group by e_name having avg(e_id)<2007
```

The results table displays the following data:

MID	E_NAME
2002	OTHOY
2004	BRISHTY
2001	BARKAT
2006	ZARA
2005	SARA
2003	ESHTYAK

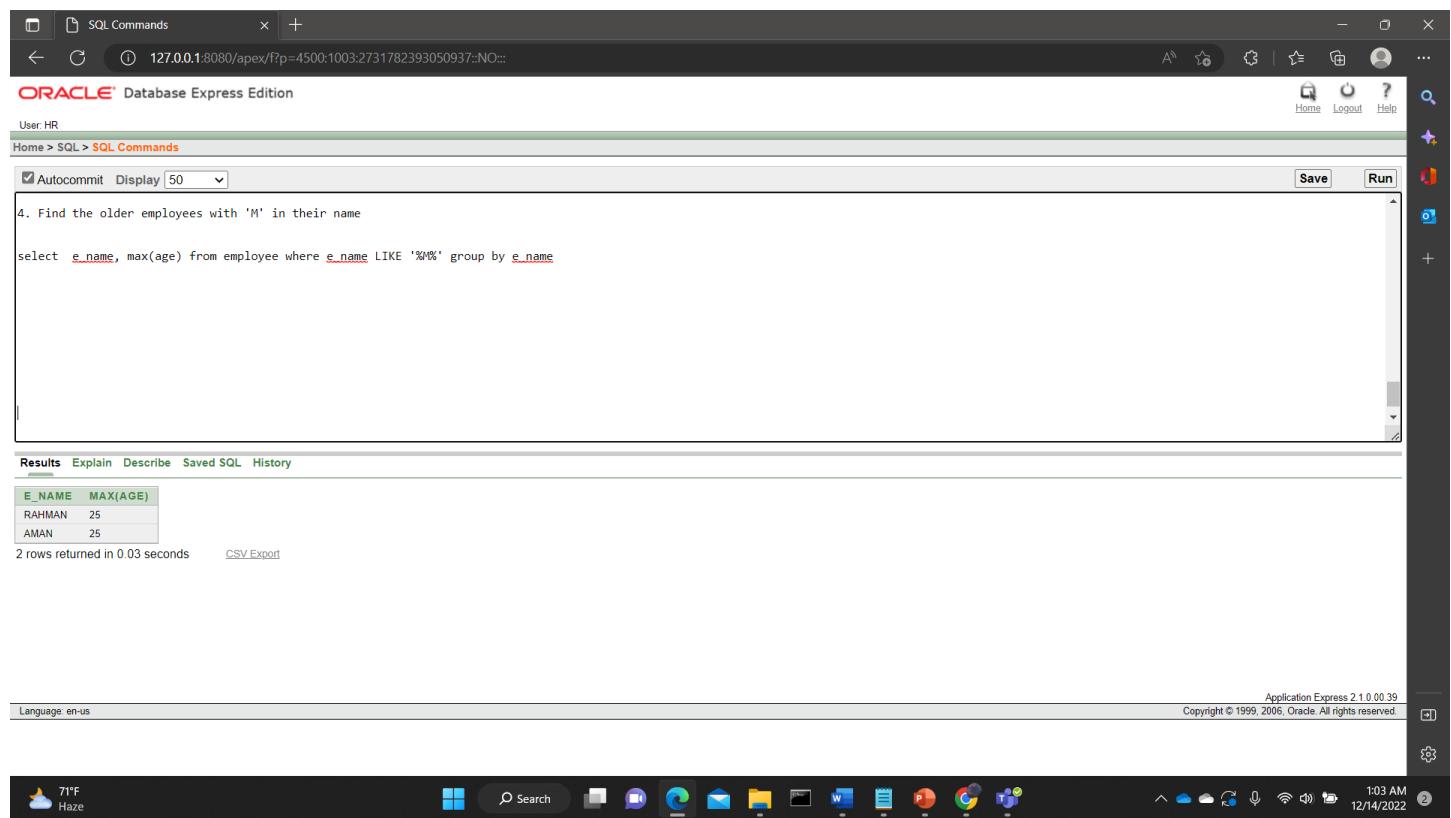
6 rows returned in 0.03 seconds [CSV Export](#)

Language: en-us Application Express 2.1.0.00.39 Copyright © 1999, 2006, Oracle. All rights reserved.

Windows taskbar at the bottom: 71°F Haze, Search, File Explorer, Mail, Task View, Word, Excel, Powerpoint, Google Chrome, Microsoft Edge, Task Manager, 1:06 AM, 12/14/2022.

4. FIND THE OLDER EMPLOYEES WITH 'M' IN THEIR NAME

ANSWER: SELECT E_NAME, MAX(AGE) FROM EMPLOYEE WHERE E_NAME LIKE '%M%' GROUP BY E_NAME



The screenshot shows the Oracle Database Express Edition SQL Commands interface. The URL is 127.0.0.1:8080/apex/f?p=4500:1003:2731782393050937::NO:::. The user is HR. The SQL command entered is:

```
4. Find the older employees with 'M' in their name  
select e_name, max(age) from employee where e_name LIKE '%M%' group by e_name
```

The results table shows:

E_NAME	MAX(AGE)
RAHMAN	25
AMAN	25

2 rows returned in 0.03 seconds. There is a CSV Export link.

At the bottom, the system tray shows: 71°F Haze, Search, File Explorer, Mail, Task View, Word, Excel, Powerpoint, Edge, Google Chrome, File Explorer, 1:03 AM, 12/14/2022.

5. DISPLAY THE CASHIERS NAME AND ID USING GROUP FUNCTION

ANSWER: SELECT E_ID, E_NAME, NVL(CASHIER, 'NO') AS CASHIER FROM EMPLOYEE

The screenshot shows the Oracle Database Express Edition SQL Commands interface. The URL in the address bar is 127.0.0.1:8080/apex/f?p=4500:1003:2731782393050937::NO:::. The interface includes a toolbar with various icons, a menu bar with Home, Logout, Help, and a search bar. The main area shows a SQL command window with the following content:

```
5. Display the cashiers name and id using group function
select e_id, e_name, nvl(cashier, 'NO') as Cashier from employee
```

Below the command window is a results grid:

E_ID	E_NAME	CASHIER
2001	BARKAT	NO
2002	OTHOY	yes
2003	ESHTYAK	NO
2004	BRISHTY	NO
2005	SARA	NO
2006	ZAARA	NO
2007	RAHMAN	NO
2008	AMAN	NO
2009	KAT	yes
2010	BARAT	yes

Below the grid, it says "10 rows returned in 0.00 seconds". The bottom status bar shows "Language: en-us", "Application Express 2.1.0.00.39 Copyright © 1999, 2006, Oracle. All rights reserved.", and the system tray with icons for weather, search, and other applications.

View:

1. CREATE A VIEW CALLED EMP_CHEF BASED ON EMPLOYEE ID, NAME AND EMAIL WHERE EMPLOYEE IS A CHEF

CREATE VIEW EMP_CHEF AS SELECT E_ID ID, E_NAME NAME, E_EMAIL EMAIL, CHEF FROM EMPLOYEE WHERE CHEF = 'YES'

SELECT * FROM EMP_CHEF

The screenshot shows the Oracle Database Express Edition interface. In the SQL Commands window, the following SQL code is entered:

```
1. create a view called emp_chef based on employee id, name and email where employee is a chef
CREATE VIEW emp_chef AS SELECT e_id ID, e_name NAME, e_email EMAIL, chef from employee where chef = 'yes'
select * from emp_chef
```

After executing the code, the results are displayed in a table:

ID	NAME	EMAIL	CHEF
2001	BARKAT	barkat@gmail.com	yes
2003	ESHTYAK	eshtyak@gmail.com	yes
2004	BRISHTY	brishty@gmail.com	yes
2005	SARA	sara@gmail.com	yes
2006	ZAARA	zaara@gmail.com	yes
2007	RAHMAN	rahmann@gmail.com	yes
2008	AMAN	aman@gmail.com	yes

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

At the bottom, the system status bar shows: Language: en-us, Application Express 2.1.0.00.39, Copyright © 1999, 2006, Oracle. All rights reserved.

GENERAL QUERY:

1.QUESTION: SHOW CUSTOMER NAME WHO HAVE “A” IN THEIR NAME.

QUERY: SELECT C_NAME FROM CUSTOMER1 WHERE C_NAME LIKE '%A%'

User: HR

Home > SQL > SQL Commands

Autocommit Display 10 ▾

```
SELECT C_NAME FROM CUSTOMER1 WHERE C_NAME LIKE '%A%'
```

Results Explain Describe Saved SQL History

C_NAME
AALIYAH
DJAMILA
ELHAM
ISHTAR
EHSAN
DOLA
WAFI
SHARIHA
ZAKI

2.QUESTION: FIND HOW MANY UNIQUE QUANTITY ARE THERE.

QUERY: SELECT DISTINCT(QUANTITY) FROM ORD.

User: HR

Home > SQL > **SQL Commands**

Autocommit Display **10** **v**

```
SELECT DISTINCT(QUANTITY) FROM ORD.
```

Results [Explain](#) [Describe](#) [Saved SQL](#) [History](#)

QUANTITY
1
3
10
5
2
4

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

3.QUESTION: DISPLAY CUTOMER ID OF ALL CUSTOMER WHO DELIVER 201 AND 202.

QUERY: SELECT C_ID FROM CUSTOMER1 WHERE D_ID IN (801,808)

User: HR

Home > SQL > SQL Commands

Autocommit Display 10 ▾

```
SELECT DISTINCT(QUANTITY) FROM ORD.  
SELECT C_ID FROM CUSTOMER1 WHERE D_ID IN (801,808)
```

Results Explain Describe Saved SQL History

C_ID
601
609

4.QUESTION: DISPLAY ORDER ID, TOTAL COST, NO OF ORDER ORDERED BETWEEN 1 DEC-31 DEC.

QUERY: SELECT O_ID, TOTAL_COST, NO_OF_ORDER FROM ORD WHERE O_DATE>='01-DEC-12' AND O_DATE<='31-DEC-12'

User: HR

Home > SQL > SQL Commands

Autocommit Display 10 ▾

```
SELECT O_ID, TOTAL_COST, NO_OF_ORDER FROM ORD where O_DATE>='01-DEC-12' and O_DATE<='31-DEC-12'
```

Results Explain Describe Saved SQL History

O_ID	TOTAL_COST	NO_OF_ORDER
401	540	12
402	100	13
403	2000	14
404	500	15
405	800	16
406	540	17
407	2050	18
408	370	19
409	490	20

5.QUESTION: DISPLAY QUANTITY ID FROM QUANTITY TABLE WHERE THE TOTAL COST IS BETWEEN 1500 TO 3000

QUERY: SELECT QNT_ID, TOTAL_COST FROM QNT WHERE TOTAL_COST BETWEEN 1500 AND 3000

User: HR

Home > SQL > **SQL Commands**

Autocommit Display **10** 

```
SELECT QNT_ID, TOTAL_COST FROM QNT WHERE TOTAL_COST BETWEEN 1500 AND 3000
```

Results Explain Describe Saved SQL History

QNT_ID	TOTAL_COST
1204	2000
1208	2050

2 rows returned in 0.00 seconds

[CSV Export](#)

The End