



INRODUCTION TO DATABASE Fall_2022-2023

Submitted To:

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APP STORE MANAGEMANT SYSTEMN

Section: N

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INTRODUCTION:

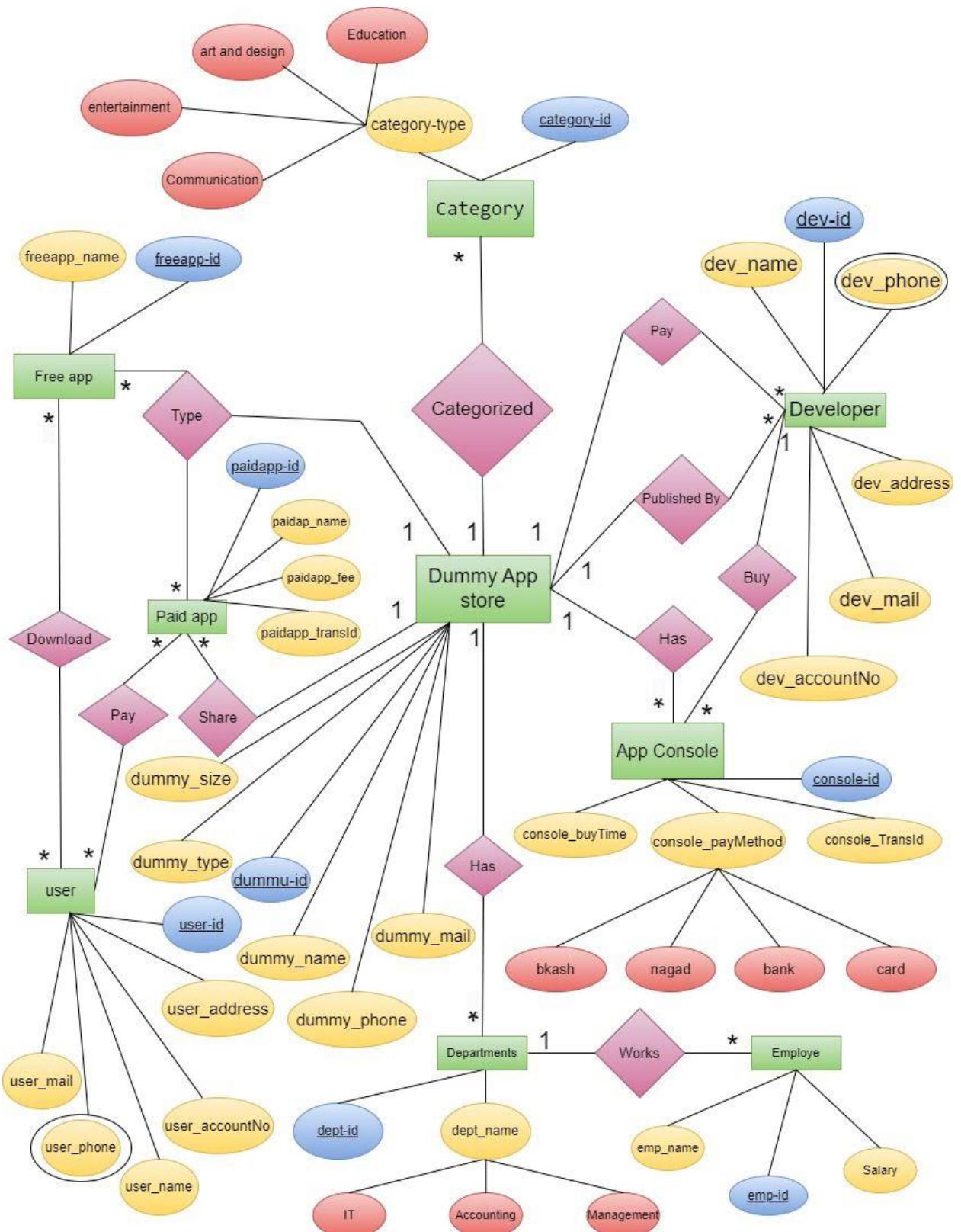
The "App Store Management System" project is a database management system that is created in Oracle Database 10g. The objective of our project is to design an app store. We drew an ER diagram to make it easier to understand. We obtained the ER diagram

through these relationships, and we performed normalization and finalization processes to simplify our work. We obtained a few tables from finalization. After creating tables in the scott schema, we insert some values for each table. This system also has the query option. We also run some queries to see if our system is functioning properly.

SCENARIO:

Dummy is an App Store. There are so many categories of the apps. Any developer can publish his app here. If a developer wants to publish an app, he has to buy a dummy app console. The developer has a unique ID, Name,Address, Phone Number, Mail and account number. The account number through which he will purchase the app. The app console has the Transaction ID, Pay Method and BuyTime. There are two types of apps : Free Apps and Paid Apps. User will be able to download free apps without paying any fee. But in free apps there are some apps for which a user has to pay to get a subscription. The Other free apps are usable without subscription or with a free subscription. For downloading the Paid Apps on has to pay the fee to the Dummy App Store through their account number. The app store will take 15% and give 85% to the developer. Every user has Name, Address, unique ID, Mail ,Phone Number and Account number. The app store is managed by three departments : IT, Accounting and Management. Every department has some employees who are paid by the app store for their work.

ER-DIAGRAM:



NORMALIZATION:

Primary key → Blue colour

Foreign key → Orange colour

1. Relation works (between employee and department)

Works: One (development) to many (Employee)

UNF: 1st: emp-id, emp_name , Salary, dept-id (FK), It, Accounting, Management

1NF: 1st: emp-id, emp_name , Salary, dept-id, It, Accounting, Management

2NF: 1st: emp-id, emp_name , Salary, dept-id

2nd: dept_id, It, Accounting, Management

3NF: 1st: emp-id(PK) emp_name , Salary, dept-id(FK)

2nd: dept-id, It

3rd : It, Accounting, Management

2. Relation Has (between employee and dummy app store)

Has: One (Dummy-app-store) to many (Departments)

UNF: 1st: dept-id It, Accounting, Management, dummy_name, dummy-id,
dummy_size, dummy_type, dummy_mail,
dummy_phone,

1NF: 1st: dept-id It, Accounting, Management, dummy_name, dummy-id,
dummy_size, dummy_type, dummy_mail,
dummy_phone,

2NF: 1st: dept-id, It, Accounting, Management, dummy-id

2nd: dummy-id, dummy_name, dummy_size, dummy_type,
dummy_mail, dummy_phone

3NF: 1st: dept-id(PK), It, dummy-id(FK)

2nd: It, Accounting, Management

3rd : dummy-id, dummy_name, dummy_size, dummy_type,
dummy_mail, dummy_phone

3. Relation Categorized (between dummy app store and category)

Categorized: One (Dummy-app-store) to many (Category)

UNF: 1st: category-id, art and design, communication,
education, entertainment,
dummy-id, dummy_name, dummy_size,
dummy_type, dummy_mail, dummy_phone

1NF: 1st: category-id, art and design, communication,
education, entertainment,
dummy-id, dummy_name, dummy_size,
dummy_type, dummy_mail, dummy_phone

2NF: 1st: category-id, art and design, communication,
education, dummy-id

2nd: dummy-id, dummy_name, dummy_size, dummy_type,
dummy_mail, dummy_phone

3NF: 1st: category-id(PK), communication, dummy-id(FK)

2nd: art and design, communication, education, entertainment

3rd : dummy-id, dummy_name ,dummy_size,dummy_type,
dummy_mail, dummy_phone

4. Relation Pay (between dummy app store and developer)

Pay: One (Dummy-app-store) to many (developer)

UNF: 1st:dev-id,dev_name,dev_phone, dev_mail, dev_
accountNo,dev_address, dummy-id ,dummy_name,
dummy_size,dummy_type,dummy_mail, dummy_phone

1NF: 1st: dev-id,dev_name,dev_phone, dev_mail, dev_
accountNo,dev_address, dummy-id ,dummy_name,
dummy_size,dummy_type,dummy_mail, dummy_phone

2NF: 1st:dev-id,dev_name,dev_phone, dev_mail,
dev_accountNo,dev_address, dummy-id

2nd: dummy-id ,dummy_name, dummy_size,dummy_type,
dummy_mail, dummy_phone

3NF: 1st: dev-id(PK),dev_name,dev_phone, dev_mail,
dev_accountNo,dev_address,
dummy-id(FK)

2nd: dummy-id,dummy_name,dummy_size,dummy_type,
dummy_mail,dummy_phone

5. Relation Published by (between dummy app store and developer)

Published by: One (Dummy-app-store) to many (Developer)

UNF: 1st: dev-id,dev_name,dev_phone, dev_mail, dev_
accountNo,dev_address, dummy-id,dummy_name,
dummy_size,dummy_type,dummy_mail, dummy_phone

1NF: 1st: dev-id,dev_name,dev_phone, dev_mail, dev_
accountNo,dev_address, dummy-id,dummy_name,
dummy_size,dummy_type,dummy_mail, dummy_phone

2NF: 1st: dev-id,dev_name,dev_phone, dev_mail,
dev_accountNo,dev_address, dummy-id

2nd: dummy-id,dummy_name,dummy_size,dummy_type,
dummy_mail,dummy_phone

3NF: 1st: dev-id(PK),dev_name,dev_phone, dev_mail,
dev_accountNo,dev_address, dummy-id(FK)

2nd: dummy-id,dummy_name,dummy_size,dummy_type,

dummy_mail, dummy_phone

6. Relation Has (between dummy app store and app console)

Has: One (Dummy-app-store) to many (App console)

UNF: 1st: console -id, bkash, nagad, bank, card, con_buyTime, console_sellTime, console_TransId, dummy-id, dummy_name, dummy_size, dummy_type, dummy_mail, dummy_phone

1NF: 1st: console -id, bkash, nagad, bank, card, console_buyTime, console_sellTime, console_TransId, dummy-id, dummy_name, dummy_size, dummy_type, dummy_mail, dummy_phone

2NF: 1st: console-id, bkash, nagad, bank, card, console_buyTime, console_sellTime, console_TransId, dummy-id

2nd: dummy-id, dummy_name, dummy_size, dummy_type, dummy_mail, dummy_phone

3NF: 1st: console-id(pk), bank, console_buyTime, console_sellTime, console_TransId, dummy-id(fk)

2nd: bkash, nagad, bank, card

3rd: dummy-id, dummy_name, dummy_size, dummy_type,

dummy_mail, dummy_phone

7. Relation Buy (between app console and developer)

Buy: One (development) to many (App Console)

UNF: 1st: console-id, bkash,nagad,bank,card,console_buyTime, console_sellTime ,con_TransId,dev-id,dev_name,dev_phone, dev_mail, dev_accountNo,dev_address

1NF: 1st: console-id, bkash,nagad,bank,card,console_buyTime, console_sellTime,console_TransId,dev-id,dev_name,dev_phone, dev_mail, dev_accountNo,dev_address

2NF: 1st: console-id, bkash,nagad,bank,card,console_buyTime, console_sellTime,console_TransId,dev-id

2nd: dev-id,dev_name,dev_phone,
dev_mail,dev_accountNo,dev_address

3NF: 1st: console-id(PK),bank,console_buyTime, console_sellTime,console_TransId,dev-id(FK)

2nd: bkash,nagad,bank,card

3rd: dev-id, dev_name, dev_phone, dev_mail,
dev_accountNo, dev_address

8. Relation Download (between free app and user)

Download: Many (free app) to many (user)

UNF: 1st: freeapp-id, freeapp_name, user-id, user_name, user_address,
user_mail,
user_phone, user_accountNo

1NF: 1st: freeapp-id, freeapp_name, user-id, user_name, user_address
, user_mail,
user_phone, user_accountNo

2NF: 1st: freeapp-id, user-id

2nd: freeapp-id, freeapp_name

3rd: user-id, user_name, user_address, user_mail, user_phone,
user_accountNo

3NF: 1st: freeapp-id, user-id

2nd: freeapp-id, freeapp_name

3rd: user-id, user_name, user_address, user_mail, user_phone,
user_accountNo

9. Relation Pay (between paid app and user)

Pay:Many(Paid app) to many (user)

UNF: 1st: paidapp-id, paidapp_name, paidapp_fee, paidapp_transId,
user-id, user_name, user_address, user_mail, user_phone,
user_accountNo

1NF: 1st: paidapp-id, paidapp_name, paidapp_fee, paidapp_transId,
user-id, user_name, user_address, user_mail, user_phone,
user_accountNo

2NF: 1st: paidapp-id, user-id

2nd: paidapp-id, paidapp_name, paidapp_fee, paidapp_transId
3rd : user-id, user_name, user_address, user_mail, user_phone,
user_accountNo

3NF: 1st: paidapp-id, user-id

2nd: paidapp-id, paidapp_name, paidapp_fee, paidapp_transId
3rd : user-id, user_name, user_address, user_mail, user_phone,
user_accountNo

10. Relation Type (between dummy app store and free app)

Type: One (Dummy-app-store) to many (Free app)

UNF: 1st: freeapp-id, freeapp_name, dummy-id, dummy_name, dummy_size, dummy_type, dummy_mail, dummy_phone

1NF: 1st: freeapp-id, freeapp_name, dummy-id, dummy_name, dummy_size, dummy_type, dummy_mail, dummy_contactphone

2NF: 1st: freeapp-id, freeapp_name, dummy-id
2nd: dummy-id, dummy_name, dummy_size, dummy_type, dummy_mail, dummy_phone

3NF: 1st: freeapp-id(pk), freeapp_name, dummy-id(fk)

2nd: dummy-id, dummy_name, dummy_size, dummy_type, dummy_mail, dummy_phone

11. Relation Type (between dummy app store and paid app)

Type: One (Dummy-app-store) to many (Paid App)

UNF: 1st: paidapp-id, paidapp_name, paidapp_fee, paidapp_transId,
dummy_id, dummy_name, dummy_size, dummy_type, dummy_mail,
dummy_phone

1NF: 1st: paidapp-id, paidapp_name, paidapp_fee, paidapp_transId,
dummy_id, dummy_name, dummy_size, dummy_type, dummy_mail,
dummy_phone

2NF: 1st: paidapp-id, paidapp_name, paidapp_fee, paidapp_transId,
dummy-id

2nd: dummy-id, dummy_name, dummy_size, dummy_type,
dummy_mail, dummy_phone

3NF: 1st: paidapp-id(PK), paidapp_name, paidapp_fee, paidapp_fee
, paidapp_transId, dummy-id(FK)

2nd: dummy-id, dummy_name, dummy_size, dummy_type,
dummy_mail, dummy_phone

12. Relation Share (between dummy app store and paid app)

Share: One (Dummy-app-store) to many (Paid App)

UNF: 1st: paidapp-id, paidapp_name, paidapp_fee, paidapp_transId, dummy-id, dummy_name, dummy_size, dummy_type, dummy_mail, dummy_phone

1NF: 1st: paidapp-id, paidapp_name, paidapp_fee, paidapp_transId, dummy-id, dummy_name, dummy_size, dummy_type, dummy_mail, dummy_phone

2NF: 1st: paidapp-id, paidapp_name, paidapp_fee, paidapp_transId, dummy-id

2nd: dummy-id, dummy_name, dummy_size, dummy_type, dummy_mail, dummy_phone

3NF: 1st: paidapp-id(PK), paidapp_name, paidapp_fee, paidapp_transId, dummy-id(FK)

2nd: dummy-id, dummy_name, dummy_size, dummy_type, dummy_mail, dummy_phone

Final Table:

1st: dummy-id, dummy_name, dummy_size, dummy_type, dummy_mail, dummy_phone

2nd: dept-id, it

3rd: It, Accounting, Management

4th: dept-id(PK),it,dummy-id(FK)

5th: emp-id(PK) emp_name ,Salary, dept-id(FK)

6th: category-id(PK),communication,dummy-id(FK)

7th: art and design, communication, education, entertainment

8th: dev-id(PK),dev_name,dev_phone,
dev_mail,dev_accountNo,dev_address,dummy-id(FK)

9th: console-id(pk), bank, console_buyTime,
console_sellTime,console_TransId, dummy-id(fk)

10th: bkash,nagad,bank,card

11th: console-id,bank,console_buyTime,
console_sellTime,console_TransId,dev-id

12th: dev-id,dev_name,dev_phone, dev_mail,
dev_accountNo,dev_address

13th: user-id,user_name, user_address, user_mail,
user_phone,user_accountNo

14th: paidapp-id, user-id

15th: freeapp-id ,user-id

16th: freeapp-id,freeapp_name

17th: paidapp-
id,paidapp_name,paidapp_fee,paidapp_fee,paidapp_transId ,dummy-
id

18th: freeapp-id,freeapp_name, dummy-id

19th: paidapp-id,paidapp_name,paidapp_fee, paidapp_transId

TABLE CTRATION:

1. CREATE TABLE DUMMY

```
(DUMMY_ID VARCHAR2(10) PRIMARY KEY,DUMMY_NAME  
VARCHAR2(40),DUMMY_SIZE VARCHAR2(10),DUMMY_TYPE  
VARCHAR2(20),DUMMY_MAIL VARCHAR2(30) NOT NULL,
```

```
DUMMY_PHONE NUMBER(15) NOT NULL);
```

```
DESC DUMMY
```

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window displays the creation of the DUMMY table:

```
CREATE TABLE DUMMY  
(  
DUMMY_ID VARCHAR2(10) PRIMARY KEY,  
DUMMY_NAME VARCHAR2(40),  
DUMMY_SIZE VARCHAR2(10),  
DUMMY_TYPE VARCHAR2(20),  
DUMMY_MAIL VARCHAR2(30) NOT NULL,  
DUMMY_PHONE NUMBER(15) NOT NULL  
);
```

The table was successfully created, as indicated by the message "PL/SQL: DDL SUCCESS". Below the SQL window, the Object Type is shown as TABLE Object DUMMY, and a detailed table structure is displayed:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DUMMY	DUMMY_ID	VARCHAR2	10	-	-	1	-	-	-
	DUMMY_NAME	VARCHAR2	40	-	-	-	✓	-	-
	DUMMY_SIZE	VARCHAR2	10	-	-	-	✓	-	-
	DUMMY_TYPE	VARCHAR2	20	-	-	-	✓	-	-
	DUMMY_MAIL	VARCHAR2	30	-	-	-	-	-	-
	DUMMY_PHONE	NUMBER	-	15	0	-	-	-	-

At the bottom of the interface, the status bar shows "Language: en-us" and "Copyright © 1999, 2006, Oracle. All rights reserved. Application Express 2.1.0.0.39".

2. CREATE TABLE DEPARTMENT_ID_IT

```
(DEPT_ID VARCHAR2(10) PRIMARY KEY,DEPT_IT VARCHAR2(60) NOT NULL);
```

```
DESC DEPARTMENT_ID_IT
```

The screenshot shows the Oracle Database Express Edition interface. The user is connected as SCOTT. In the SQL Commands window, the following SQL code is being run:

```

CREATE TABLE DEPARTMENT_ID_IT
(
    DEPT_ID VARCHAR2(10) PRIMARY KEY,
    DEPT_IT VARCHAR2(60) NOT NULL
);
DESC DEPARTMENT_ID_IT

```

The results pane shows the table structure:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DEPARTMENT_ID_IT	DEPT_ID	VARCHAR2	10	-	-	1	-	-	-
	DEPT_IT	VARCHAR2	30	-	-	-	-	-	-

At the bottom of the interface, it says "Language: en-us" and "Application Express 2.1.0.80.39 Copyright © 1999, 2006, Oracle. All rights reserved."

3.CREATE TABLE IT_ACC_MAN

(DEPT_IT VARCHAR2(60) PRIMARY KEY,DEPT_ACC VARCHAR2(60),

DEPT_MAN VARCHAR2(60));

DESC IT_ACC_MAN

The screenshot shows the Oracle Database Express Edition interface. The user is connected as SCOTT. In the SQL Commands editor, the following SQL code is being run:

```

CREATE TABLE IT_ACC_MAN
(
DEPT_IT VARCHAR2(60) PRIMARY KEY,
DEPT_ACC VARCHAR2(60),
DEPT_MAN VARCHAR2(60)
);
DESC IT_ACC_MAN

```

The results pane shows the table structure:

Object Type	Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
TABLE	IT_ACC_MAN	DEPT_IT	VARCHAR2	60	-	-	1	✓	-	-
		DEPT_ACC	VARCHAR2	10	-	-	-	✓	-	-
		DEPT_MAN	VARCHAR2	10	-	-	-	✓	-	-

At the bottom of the interface, it says "Language: en-us" and "Application Express 2.1.0.0.39 Copyright © 1999, 2006, Oracle. All rights reserved."

4.CREATE TABLE DEPARTMENT

(DEPT_ID VARCHAR2(10) PRIMARY KEY,DEPT_IT VARCHAR2(60) NOT NULL,DUMMY_ID VARCHAR2(10));

DESC DEPARTMENT

The screenshot shows a browser window for Oracle Database Express Edition. The URL is 127.0.0.1:8080/apex/f?p=4500:1003:2738115055193125::NO:::. The page displays SQL commands for creating a table named DEPARTMENT. The code is:

```

CREATE TABLE DEPARTMENT
(
  DEPT_ID VARCHAR2(10) PRIMARY KEY,
  DEPT_NAME VARCHAR2(60) NOT NULL,
  DUMMY_ID VARCHAR2(10)
);
DESC DEPARTMENT

```

Below the code, there are tabs for Results, Explain, Describe, Saved SQL, and History. The Describe tab is selected, showing the table structure:

Object Type	Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
TABLE	DEPARTMENT	DEPT_ID	VARCHAR2	10	-	-	1	-	-	
		DEPT_NAME	VARCHAR2	60	-	-	-	-	-	
		DUMMY_ID	VARCHAR2	10	-	-	-	✓	-	

At the bottom of the page, it says Application Express 2.1.0.0.39 Copyright © 1999, 2006, Oracle. All rights reserved.

5. CREATE TABLE EMPLOYEE

(EMP_ID VARCHAR2(10) PRIMARY KEY,EMP_NAME VARCHAR2(30) NOT NULL,SALARY NUMBER(10),DEPT_ID VARCHAR2(10));

DESC EMPLOYEE

The screenshot shows a browser window for 'SQL Commands' at URL `127.0.0.1:8080/apex/f?p=4500:1003:2738115055193125::NO::`. The page title is 'Getting Started' under 'User SCOTT'. The main content area contains SQL code for creating the 'EMPLOYEE' table:

```

CREATE TABLE EMPLOYEE
(
  EMP_ID VARCHAR2(10) PRIMARY KEY,
  EMP_NAME VARCHAR2(30) NOT NULL,
  SALARY NUMBER(10),
  DEPT_ID VARCHAR2(10)
);

DESC EMPLOYEE

```

Below the code, there is a table titled 'Object Type TABLE Object EMPLOYEE' showing the columns and their properties:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMPLOYEE	EMP_ID	Varchar2	10	-	-	1	-	-	-
	EMP_NAME	Varchar2	30	-	-	-	-	-	-
	SALARY	Number	-	10	0	-	✓	-	-
	DEPT_ID	Varchar2	10	-	-	-	✓	-	-

At the bottom of the page, it says 'Language: en-us' and 'Copyright © 1999, 2006, Oracle. All rights reserved.' The status bar shows 'Application Express 2.1.0.0.39' and the date '12/26/2022'.

6. CREATE TABLE CATEGORY_DUMMY

(CATEGORY_ID VARCHAR2(10) PRIMARY KEY,

CATEGORY_COMM VARCHAR2(40),

DUMMY_ID VARCHAR2(10)

);

DESC CATEGORY_DUMMY

User SCOTT

Home > SQL > SQL Commands

Autocommit Display 10

```
CREATE TABLE CATEGORY_DUMMY
(
CATEGORY_ID VARCHAR2(10) PRIMARY KEY,
CATEGORY_COMM VARCHAR2(40),
DUMMY_ID VARCHAR2(10)
);
```

DESC CATEGORY_DUMMY

Results Explain Describe Saved SQL History

Object Type TABLE Object CATEGORY_DUMMY

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CATEGORY_DUMMY	CATEGORY_ID	Varchar2	10	-	-	1	-	-	
	CATEGORY_COMM	Varchar2	40	-	-	-	✓	-	
	DUMMY_ID	Varchar2	10	-	-	-	✓	-	

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

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Search

4:16 AM 12/26/2022

7. CREATE TABLE COMM_ART_ENTER_EDU
 (CATEGORY_COMM VARCHAR2(40) PRIMARY KEY,
 CATEGORY_ART VARCHAR2(25),
 CATEGORY_ENTER VARCHAR2(25),
 CATEGORY_EDU VARCHAR2(25)
);
 DESC COMM_ART_ENTER_EDU

The screenshot shows a Windows desktop environment with a browser window open to the Oracle Database Express Edition SQL Commands interface. The URL is 127.0.0.1:8080/apex/f?p=4500:1003:2738115055193125::NO:::. The user is SCOTT. In the SQL Commands editor, the following SQL code is entered:

```

CREATE TABLE COMM_ART_ENTER_EDU
(
CATEGORY_COMM VARCHAR2(40) PRIMARY KEY,
CATEGORY_ART VARCHAR2(25),
CATEGORY_ENTER VARCHAR2(25),
CATEGORY_EDU VARCHAR2(25)
);
DESC COMM_ART_ENTER_EDU

```

Below the code, there is a table definition:

Object Type TABLE Object COMM_ART_ENTER_EDU

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
COMM_ART_ENTER_EDU	CATEGORY_COMM	VARCHAR2	40	-	-	1	✓	-	-
	CATEGORY_ART	VARCHAR2	25	-	-	-	✓	-	-
	CATEGORY_ENTER	VARCHAR2	20	-	-	-	✓	-	-
	CATEGORY_EDU	VARCHAR2	15	-	-	-	✓	-	-

Results Explain Describe Saved SQL History

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

8. CREATE TABLE DEVELOPER

(DEV_ID VARCHAR2(10) PRIMARY KEY,
 DEV_NAME VARCHAR2(30) NOT NULL,
 DEV_ADDRESS VARCHAR2(30) ,
 DEV_ACCOUNTNO VARCHAR2(30) NOT NULL,
 DEV_PHONE NUMBER(15) ,
 DEV_MAIL VARCHAR2(20) NOT NULL,
 DUMMY_ID VARCHAR2(10)
);
 DESC DEVELOPER

```

CREATE TABLE DEVELOPER
(
  DEV_ID VARCHAR2(10) PRIMARY KEY,
  DEV_NAME VARCHAR2(30) NOT NULL,
  DEV_ADDRESS VARCHAR2(30),
  DEV_ACCOUNTING VARCHAR2(30) NOT NULL,
  DEV_PHONE NUMBER(15),
  DEV_MAIL VARCHAR2(20) NOT NULL,
  DUMMY_ID VARCHAR2(10)
);

DESC DEVELOPER

```

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DEVELOPER	DEV_ID	VARCHAR2	10	-	-	1	-	-	
	DEV_NAME	VARCHAR2	30	-	-	-	✓	-	
	DEV_ADDRESS	VARCHAR2	30	-	-	-	✓	-	
	DEV_ACCOUNTING	VARCHAR2	30	-	-	-	✓	-	
	DEV_PHONE	Number	-	15	0	-	✓	-	
	DEV_MAIL	VARCHAR2	20	-	-	-	✓	-	
	DUMMY_ID	VARCHAR2	10	-	-	-	✓	-	

Results Explain Describe Saved SQL History

Object Type TABLE Object DEVELOPER

Language: en-us Application Express 2.1 0.00.39 Copyright © 1999, 2006, Oracle. All rights reserved.

9. CREATE TABLE APP_CONSOLE_DUMMY

```

(
CONSOLE_ID VARCHAR2(10) PRIMARY KEY,
CONSOLE_BUYTIME VARCHAR2(10) ,
CONSOLE_TRANSID VARCHAR2(20) NOT NULL,
CONSOLE_BANK NUMBER (15) NOT NULL,
CONSOLE_SELLTIME VARCHAR2(10) ,
DUMMY_ID VARCHAR2(10)
);

```

DESC APP_CONSOLE_DUMMY

```

CREATE TABLE APP_CONSOLE_DUMMY
(
CONSOLE_ID VARCHAR2(10) PRIMARY KEY,
CONSOLE_BUYTIME VARCHAR2(10),
CONSOLE_TRANSID NUMBER(15) NOT NULL,
CONSOLE_BANK NUMBER (15) NOT NULL,
CONSOLE_SELLTIME VARCHAR2(10) ,
DUMMY_ID VARCHAR2(10)
);

DESC APP_CONSOLE_DUMMY

```

Object Type: TABLE Object: APP_CONSOLE_DUMMY

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
APP_CONSOLE_DUMMY	CONSOLE_ID	Varchar2	10	-	-	1	✓	-	-
	CONSOLE_BUYTIME	Varchar2	10	-	-	-	✓	-	-
	CONSOLE_TRANSID	Varchar2	20	-	-	-	-	-	-
	CONSOLE_BANK	Number	-	15	0	-	-	-	-
	CONSOLE_SELLTIME	Varchar2	10	-	-	-	✓	-	-
	DUMMY_ID	Varchar2	10	-	-	-	✓	-	-

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10. CREATE TABLE B_B_N_C

(CONSOLE_BANK NUMBER (15) PRIMARY KEY,
 CONSOLE_BKASH NUMBER(15),
 CONSOLE_NAGAD NUMBER(20),
 CONSOLE_CARD NUMBER (15));
 DESC B_B_N_C

User SCOTT

Home > SQL > SQL Commands

CREATE TABLE B_B_N_C
 (
 CONSOLE_BANK NUMBER (15) PRIMARY KEY,
 CONSOLE_BKASH NUMBER(15),
 CONSOLE_HAZAD NUMBER(20),
 CONSOLE_CARD NUMBER (15)
);

B_B_N_C

Object Type TABLE Object B_B_N_C

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
B_B_N_C	CONSOLE_BANK	Number	-	15	0	-	✓	-	-
	CONSOLE_BKASH	Number	-	15	0	-	✓	-	-
	CONSOLE_HAZAD	Number	-	20	0	-	✓	-	-
	CONSOLE_CARD	Number	-	15	0	-	✓	-	-

Results Explain Describe Saved SQL History

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

11. CREATE TABLE APP_CONSOLE_DEVELOPRE

```

(
  CONSOLE_ID VARCHAR2(10) PRIMARY KEY,
  CONSOLE_BUYTIME VARCHAR2(10) ,
  CONSOLE_TRANSID VARCHAR2(20) NOT NULL,
  CONSOLE_BANK NUMBER(15) NOT NULL,
  CONSOLE_SELLTIME VARCHAR2(10) ,
  DEV_ID VARCHAR2(10)
);
DESC APP_CONSOLE_DEVELOPRE

```

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

```

CREATE TABLE APP_CONSOLE_DEVELOPER
(
    CONSOLE_ID VARCHAR2(10) PRIMARY KEY,
    CONSOLE_BUYTIME VARCHAR2(10),
    CONSOLE_TRANSID VARCHAR2(20) NOT NULL,
    CONSOLE_BANK NUMBER(15) NOT NULL,
    CONSOLE_SELLTIME VARCHAR2(10),
    DEV_ID VARCHAR2(10)
);

DESC APP_CONSOLE_DEVELOPER

```

The results section shows the table structure:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
APP_CONSOLE_DEVELOPER	CONSOLE_ID	VARCHAR2	10	-	-	1	✓	-	-
	CONSOLE_BUYTIME	VARCHAR2	10	-	-	-	✓	-	-
	CONSOLE_TRANSID	VARCHAR2	20	-	-	-	✓	-	-
	CONSOLE_BANK	Number	-	15	0	-	-	-	-
	CONSOLE_SELLTIME	VARCHAR2	10	-	-	-	✓	-	-
	DEV_ID	VARCHAR2	10	-	-	-	✓	-	-

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12. CREATE TABLE ONLY_DEVELOPER

(

```

    DEV_ID VARCHAR2(10) PRIMARY KEY,
    DEV_NAME VARCHAR2(30) NOT NULL,
    DEV_ADDRESS VARCHAR2(30),
    DEV_ACCOUNTNO VARCHAR2(30) NOT NULL,
    DEV_PHONE NUMBER(15),
    DEV_MAIL VARCHAR2(20) NOT NULL
);

```

DESC ONLY_DEVELOPER

The screenshot shows a Windows desktop environment with a browser window open to the Oracle Database Express Edition SQL Commands interface. The URL is 127.0.0.1:8080/apex/f?p=4500:1003:2738115055193125::NO:::. The page displays the creation of a table named ONLY_DEVELOPER with the following DDL:

```

CREATE TABLE ONLY_DEVELOPER
(
  DEV_ID VARCHAR2(10) PRIMARY KEY,
  DEV_NAME VARCHAR2(30) NOT NULL,
  DEV_ADDRESS VARCHAR2(30),
  DEV_ACCOUNTNO VARCHAR2(30) NOT NULL,
  DEV_PHONE NUMBER(15),
  DEV_MAIL VARCHAR2(20) NOT NULL
);

```

Below the DDL, there is a redacted section labeled DESC ONLY_DEVELOPER. A results grid shows the table structure with 6 columns: Table, Column, Data Type, Length, Precision, Scale, Primary Key, Nullable, Default, and Comment. The primary key is DEV_ID.

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
ONLY_DEVELOPER	DEV_ID	VARCHAR2	10	-	-	1	-	-	-
	DEV_NAME	VARCHAR2	30	-	-	-	✓	-	-
	DEV_ADDRESS	VARCHAR2	30	-	-	-	✓	-	-
	DEV_ACCOUNTNO	VARCHAR2	30	-	-	-	-	-	-
	DEV_PHONE	Number	-	15	0	-	✓	-	-
	DEV_MAIL	VARCHAR2	20	-	-	-	-	-	-

Language: en-us Application Express 2.1.0.0.39
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13. CREATE TABLE USERR

```
(USERR_ID VARCHAR2(10) PRIMARY KEY,  
USERR_NAME VARCHAR2(30),  
USERR_ADDRESS VARCHAR2(30),  
USERR_ACCOUNTNO VARCHAR2(20) NOT NULL,  
USERR_PHONE NUMBER(15),  
USERR_MAIL VARCHAR2(20) NOT NULL);  
  
DESC USERR
```

```

CREATE TABLE USERR
(
USERR_ID VARCHAR2(10) PRIMARY KEY,
USERR_NAME VARCHAR2(30),
USERR_ADDRESS VARCHAR2(30),
USERR_ACCOUNTNO VARCHAR2(20) NOT NULL,
USERR_PHONE NUMBER(15),
USERR_MAIL VARCHAR2(20) NOT NULL
);

```

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
USERR	USERR_ID	VARCHAR2	10	-	-	1	-	-	-
USERR	USERR_NAME	VARCHAR2	30	-	-	-	✓	-	-
USERR	USERR_ADDRESS	VARCHAR2	30	-	-	-	✓	-	-
USERR	USERR_ACCOUNTNO	VARCHAR2	20	-	-	-	-	-	-
USERR	USERR_PHONE	Number	-	15	0	-	✓	-	-
USERR	USERR_MAIL	VARCHAR2	20	-	-	-	-	-	-

14. CREATE TABLE PAIDAPP_USER

(

USERR_ID VARCHAR2(10) PRIMARY KEY,
PAIDAPP_ID VARCHAR2(10)
);

DESC PAIDAPP_USER

The screenshot shows a Windows desktop environment with a taskbar at the bottom. The taskbar icons include Start, Search, File Explorer, Microsoft Edge, Google Chrome, and others. The system tray shows the date and time as 12/26/2022 at 4:38 AM.

The main window is titled "SQL Commands" and is connected to "127.0.0.1:8080/apex/f?p=4500:1003:2738115055193125::NO::". The user is "SCOTT".

The SQL command entered is:

```
CREATE TABLE PAIDAPP_USER
(
USER_ID VARCHAR2(10) PRIMARY KEY,
PAIDAPP_ID VARCHAR2(10)
);

DESC PAIDAPP_USER
```

The results pane shows the table structure:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
USER	USER_ID	VARCHAR2	10	-	-	1	-	-	-
USER	USER_NAME	VARCHAR2	30	-	-	-	✓	-	-
USER	USER_ADDRESS	VARCHAR2	30	-	-	-	✓	-	-
USER	USER_ACCOUNTINFO	VARCHAR2	20	-	-	-	-	-	-
USER	USER_PHONE	Number	-	15	0	-	✓	-	-
USER	USER_MAIL	VARCHAR2	20	-	-	-	-	-	-

At the bottom of the results pane, it says "1-6".

At the bottom of the window, it says "Language: en-us" and "Application Express 2.1.0.0.39 Copyright © 1999, 2006, Oracle. All rights reserved."

15. CREATE TABLE FREEAPP_USER

```
(  
FREEAPP_ID VARCHAR2(10) PRIMARY KEY,  
USER_ID VARCHAR2(10)  
);
```

DESC FREEAPP_USER

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

```

CREATE TABLE FREEAPP_USER
(
FREEAPP_ID VARCHAR2(10) PRIMARY KEY,
USERID VARCHAR2(10)
);

DESC FREEAPP_USER

```

The results section shows the table structure:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
FREEAPP_USER	FREEAPP_ID	Varchar2	10	-	-	1	-	-	
	USERID	Varchar2	10	-	-	-	✓	-	

At the bottom, the status bar indicates "Language: en-us" and "Application Express 2.1.0.0.39 Copyright © 1999, 2006, Oracle. All rights reserved."

16. CREATE TABLE FREEAPP_ONLY

```

(
FREEAPP_ID VARCHAR2(10) PRIMARY KEY,
FREEAPP_NAME VARCHAR2(50) NOT NULL
)
DESC FREEAPP_ONLY

```

```

CREATE TABLE FREEAPP_ONLY
(
  FREEAPP_ID VARCHAR2(10) PRIMARY KEY,
  FREEAPP_NAME VARCHAR2(50) NOT NULL
)
DESC FREEAPP_ONLY

```

Object Type TABLE Object FREEAPP_ONLY

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
FREEAPP_ONLY	FREEAPP_ID	VARCHAR2	10	-	-	1	-	-	-
FREEAPP_ONLY	FREEAPP_NAME	VARCHAR2	50	-	-	-	-	-	-

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17. CREATE TABLE PAIDAPP_DUMMY

(

PAIDAPP_ID VARCHAR2(10) PRIMARY KEY,

PAIDAPP_NAME VARCHAR2(50),

PAIDAPP_FEE VARCHAR2(20) NOT NULL,

PAIDAPP_TRANSID VARCHAR2(15) ,

DUMMY_ID VARCHAR2(10)

);

DESC PAIDAPP_DUMMY

The screenshot shows the Oracle Database Express Edition interface. The user is connected as SCOTT. In the SQL Commands window, the following SQL code is being run:

```

CREATE TABLE PAIDAPP_DUMMY
(
PAIDAPP_ID VARCHAR2(10) PRIMARY KEY,
PAIDAPP_NAME VARCHAR2(50),
PAIDAPP_FEE NUMBER(10) NOT NULL,
PAIDAPP_TRANSID VARCHAR2(15),
DUMMY_ID VARCHAR2(10)
);
DESC PAIDAPP_DUMMY

```

The results section shows the table structure:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PAIDAPP_DUMMY	PAIDAPP_ID	VARCHAR2	10	-	-	1	✓	-	-
	PAIDAPP_NAME	VARCHAR2	50	-	-	-	✓	-	-
	PAIDAPP_FEE	VARCHAR2	20	-	-	-	✓	-	-
	PAIDAPP_TRANSID	VARCHAR2	15	-	-	-	✓	-	-
	DUMMY_ID	VARCHAR2	10	-	-	-	✓	-	-

At the bottom, it says "1 - 5".

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18. CREATE TABLE FREEAPP_DUMMY

```

(
FREEAPP_ID VARCHAR2(10) PRIMARY KEY,
FREEAPP_NAME VARCHAR2(50) NOT NULL ,
DUMMY_ID VARCHAR2(10)
)

```

DESC FREEAPP_DUMMY

```

CREATE TABLE FREEAPP_DUMMY
(
  FREEAPP_ID VARCHAR2(10) PRIMARY KEY,
  FREEAPP_NAME VARCHAR2(50) NOT NULL ,
  DUMMY_ID VARCHAR2(10)
)

DESC FREEAPP_DUMMY

```

Object Type TABLE Object FREEAPP_DUMMY

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
FREEAPP_DUMMY	FREEAPP_ID	Varchar2	10	-	-	1	-	-	
FREEAPP_DUMMY	FREEAPP_NAME	Varchar2	50	-	-	-	-	-	
FREEAPP_DUMMY	DUMMY_ID	Varchar2	10	-	-	-	✓	-	

Language: en-us Application Express 2.1.0.0.39
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19. CREATE TABLE PAIDAPP_ONLY

(

PAIDAPP_ID VARCHAR2(10) PRIMARY KEY,
 PAIDAPP_NAME VARCHAR2(50),
 PAIDAPP_FEE VARCHAR2(20) NOT NULL,
 PAIDAPP_TRANSID VARCHAR2(15)

);

DESC PAIDAPP_ONLY

The screenshot shows the Oracle Database Express Edition SQL Commands interface. The user is SCOTT. The SQL code entered is:

```

CREATE TABLE PAIDAPP_ONLY
(
PAIDAPP_ID VARCHAR2(10) PRIMARY KEY,
PAIDAPP_NAME VARCHAR2(50),
PAIDAPP_FEE VARCHAR2(20) NOT NULL,
PAIDAPP_TRANSID VARCHAR2(15)
);
DESC PAIDAPP_ONLY;

```

The results show the table structure:

Object Type	Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
TABLE	PAIDAPP_ONLY	PAIDAPP_ID	VARCHAR2	10	-	-	1	-	-	-
		PAIDAPP_NAME	VARCHAR2	50	-	-	-	✓	-	-
		PAIDAPP_FEE	VARCHAR2	20	-	-	-	-	-	-
		PAIDAPP_TRANSID	VARCHAR2	15	-	-	-	✓	-	-

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

VALUE INSERTION:

1. INSERT INTO DUMMY VALUES(DUMMY_SEQ.NEXTVAL,'DUMMY APP STORE','112 MB','ANDROID','DUMMYAPP100@GMAIL.COM',01698734567)

SELECT * FROM DUMMY

INSERT INTO DUMMY VALUES(DUMMY_SEQ.NEXTVAL,'DUMMY APP STORE','150 MB','WINDOWS 11','DUMMYAPP200@GMAIL.COM',1746964278)

INSERT INTO DUMMY VALUES(DUMMY_SEQ.NEXTVAL,'DUMMY APP STORE','175 MB','WINDOWS 10','DUMMYAPP300@GMAIL.COM',1974563729)

```

File Edit View History Bookmarks Tools Help
SQL Commands + 
127.0.0.1:8080/apex/f?p=4500:1003:2738115055193125::NO:: 
Getting Started
ORACLE Database Express Edition
User SCOTT
Home > SQL > SQL Commands
Autocommit Display 10 Save Run
SELECT * FROM DUMMY
INSERT INTO DUMMY VALUES(DUMMY_SEQ.NEXTVAL,'DUMMY APP STORE','112 MB','ANDROID','DUMMYAPP100@GMAIL.COM',01698734567)
INSERT INTO DUMMY VALUES(DUMMY_SEQ.NEXTVAL,'DUMMY APP STORE','150 MB','WINDOWS 11','DUMMYAPP200@GMAIL.COM',1746964278)
INSERT INTO DUMMY VALUES(DUMMY_SEQ.NEXTVAL,'DUMMY APP STORE','175 MB','WINDOWS 10','DUMMYAPP300@GMAIL.COM',1974563729)
INSERT INTO DUMMY VALUES(DUMMY_SEQ.NEXTVAL,'DUMMY APP STORE','200 MB','LINUX','DUMMYAPP400@GMAIL.COM',15678934567)

Results Explain Describe Saved SQL History
DUMMY_ID DUMMY_NAME DUMMY_SIZE DUMMY_TYPE DUMMY_MAIL DUMMY_PHONE
500 DUMMY APP STORE 112 MB ANDROID DUMMYAPP100@GMAIL.COM 01698734567
510 DUMMY APP STORE 150 MB WINDOWS 11 DUMMYAPP200@GMAIL.COM 1746964278
520 DUMMY APP STORE 175 MB WINDOWS 10 DUMMYAPP300@GMAIL.COM 1974563729
530 DUMMY APP STORE 200 MB LINUX DUMMYAPP400@GMAIL.COM 15678934567
4 rows returned in 0.01 seconds CSV Export

```

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

2. INSERT INTO DEPARTMENT_ID_IT VALUES(300,'IT TECHNICIAN - SECTOR1')

SELECT * FROM DEPARTMENT_ID_IT

INSERT INTO DEPARTMENT_ID_IT VALUES(301,'WEB DEVELOPERS - SECTOR2')

INSERT INTO DEPARTMENT_ID_IT VALUES(302,'IT SPECIALISTS - SECTOR3')

INSERT INTO DEPARTMENT_ID_IT VALUES(303,'SOFTWARE ENGINEERS - SECTOR4')

The screenshot shows a Windows desktop environment with a taskbar at the bottom. The taskbar icons include Start, Search, File Explorer, Task View, Microsoft Edge, Google Chrome, Microsoft Word, Microsoft Excel, Microsoft Powerpoint, Microsoft Access, Microsoft Publisher, Facebook, Mail, and File Explorer. The system tray shows the date and time as 12/26/2022, 4:56 AM.

The main window is a web browser displaying the Oracle Database Express Edition interface. The address bar shows the URL: 127.0.0.1:8080/apex/f?p=4500:1003:2738115055193125::NO:::1. The page title is "SQL Commands". The content area contains SQL code and its results:

```

INSERT INTO DEPARTMENT_ID_IT VALUES(300,'IT TECHNICIAN - SECTOR1')
SELECT * FROM DEPARTMENT_ID_IT
INSERT INTO DEPARTMENT_ID_IT VALUES(301,'WEB DEVELOPERS - SECTOR2')
INSERT INTO DEPARTMENT_ID_IT VALUES(302,'IT SPECIALISTS - SECTOR3')
INSERT INTO DEPARTMENT_ID_IT VALUES(303,'SOFTWARE ENGINEERS - SECTOR4')

DEPT_ID DEPT_IT
300 IT TECHNICIAN - SECTOR1
301 WEB DEVELOPERS - SECTOR2
302 IT SPECIALISTS - SECTOR3
303 SOFTWARE ENGINEERS - SECTOR4

```

Results: 4 rows returned in 0.02 seconds

3. INSERT INTO IT_ACC_MAN VALUES('IT TECHNICIAN - SECTOR1','TAX','ACCOUNT')

SELECT * FROM IT_ACC_MAN

INSERT INTO IT_ACC_MAN VALUES('WEB DEVELOPERS - SECTOR2','CLERK','FINANCIAL')

INSERT INTO IT_ACC_MAN VALUES('IT SPECIALISTS - SECTOR3','FINANCIAL','CREDIT')

INSERT INTO IT_ACC_MAN VALUES('SOFTWARE ENGINEERS - SECTOR4','CREDIT','GENERAL')

The screenshot shows the Oracle Database Express Edition SQL Commands interface. The user is connected as SCOTT. The SQL script executed is:

```

INSERT INTO IT_ACC_MAIN VALUES('IT TECHNICIAN - SECTOR1','TAX','ACCOUNT')
SELECT * FROM IT_ACC_MAIN
INSERT INTO IT_ACC_MAIN VALUES('WEB DEVELOPERS - SECTOR2','CLERK','FINANCIAL')
INSERT INTO IT_ACC_MAIN VALUES('IT SPECIALISTS - SECTOR3','FINANCIAL','CREDIT')
INSERT INTO IT_ACC_MAIN VALUES('SOFTWARE ENGINEERS - SECTOR4','CREDIT','GENERAL')

```

The results of the query are displayed in a table:

DEPT_IT	DEPT_ACC	DEPT_MAIN
IT TECHNICIAN - SECTOR1	TAX	ACCOUNT
WEB DEVELOPERS - SECTOR2	CLERK	FINANCIAL
IT SPECIALISTS - SECTOR3	FINANCIAL	CREDIT
SOFTWARE ENGINEERS - SECTOR4	CREDIT	GENERAL

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

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

4. INSERT INTO DEPARTMENT VALUES(DEPARTMENT_SEQ.NEXTVAL,'IT TECHNICIAN - SECTOR1',500)

SELECT * FROM DEPARTMENT

INSERT INTO DEPARTMENT VALUES(DEPARTMENT_SEQ.NEXTVAL,'WEB DEVELOPERS - SECTOR2',510)

INSERT INTO DEPARTMENT VALUES(DEPARTMENT_SEQ.NEXTVAL,'IT SPECIALISTS - SECTOR3',520)

INSERT INTO DEPARTMENT VALUES(DEPARTMENT_SEQ.NEXTVAL,'SOFTWARE ENGINEERS - SECTOR4',530)

The screenshot shows a browser window titled "SQL Commands" connected to "127.0.0.1:8080/apex/f?p=4500:1003:2738115055193125::NO::". The page displays Oracle Database Express Edition interface. A SQL command is entered in the editor:

```

INSERT INTO DEPARTMENT VALUES(DEPARTMENT_SEQ.NEXTVAL,'IT TECHNICIAN - SECTOR1',500)
SELECT * FROM DEPARTMENT
INSERT INTO DEPARTMENT VALUES(DEPARTMENT_SEQ.NEXTVAL,'WEB DEVELOPERS - SECTOR2',510)
INSERT INTO DEPARTMENT VALUES(DEPARTMENT_SEQ.NEXTVAL,'IT SPECIALISTS - SECTOR3',520)
INSERT INTO DEPARTMENT VALUES(DEPARTMENT_SEQ.NEXTVAL,'SOFTWARE ENGINEERS - SECTOR4',530)

```

The results show four rows inserted into the DEPARTMENT table:

DEPT_ID	DEPT_IT	DUMMY_ID
300	IT TECHNICIAN - SECTOR1	500
301	WEB DEVELOPERS - SECTOR2	510
302	IT SPECIALISTS - SECTOR3	520
303	SOFTWARE ENGINEERS - SECTOR4	530

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

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5. INSERT INTO EMPLOYEE VALUES(EMPLOYEE_SEQ.NEXTVAL,'ARNOB DEY',80000,300)

SELECT * FROM EMPLOYEE

INSERT INTO EMPLOYEE VALUES(EMPLOYEE_SEQ.NEXTVAL,'HASIBUR RAHMAN RAHIM',70000,301)

INSERT INTO EMPLOYEE VALUES(EMPLOYEE_SEQ.NEXTVAL,'MD ADLUL ISLAM',75000,302)

INSERT INTO EMPLOYEE VALUES(EMPLOYEE_SEQ.NEXTVAL,'KANIJ FATEMA BORSA',60000,303)

The screenshot shows the Oracle Database Express Edition SQL Commands interface. The user is SCOTT. The SQL code entered is:

```

INSERT INTO EMPLOYEE VALUES(EMPLOYEE_SEQ.NEXTVAL,'ARNOB DEY',80000,300)
SELECT * FROM EMPLOYEE
INSERT INTO EMPLOYEE VALUES(EMPLOYEE_SEQ.NEXTVAL,'HASIBUR RAHMAN RAHIM',70000,301)
INSERT INTO EMPLOYEE VALUES(EMPLOYEE_SEQ.NEXTVAL,'MD ADUL ISLAM',75000,302)
INSERT INTO EMPLOYEE VALUES(EMPLOYEE_SEQ.NEXTVAL,'KANU FATEMA BORSA',60000,303)

```

The results show four rows inserted into the EMPLOYEE table:

EMP_ID	EMP_NAME	SALARY	DEPT_ID
100	ARNOB DEY	80000	300
101	HASIBUR RAHMAN RAHIM	70000	301
102	MD ADUL ISLAM	75000	302
103	KANU FATEMA BORSA	60000	303

4 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.

6. INSERT INTO CATEGORY_DUMMY

```
VALUES(CATEGORY__DUMMY_SEQ.NEXTVAL,'FACEBOOK',500)
```

```
SELECT * FROM CATEGORY_DUMMY
```

```
INSERT INTO CATEGORY_DUMMY
```

```
VALUES(CATEGORY__DUMMY_SEQ.NEXTVAL,'LINKEDIN',510)
```

```
INSERT INTO CATEGORY_DUMMY
```

```
VALUES(CATEGORY__DUMMY_SEQ.NEXTVAL,'SNAPCHAT',520)
```

```
INSERT INTO CATEGORY_DUMMY
```

```
VALUES(CATEGORY__DUMMY_SEQ.NEXTVAL,'WHATSAPP',530)
```

The screenshot shows the Oracle Database Express Edition SQL Commands interface. The user is connected as SCOTT. The SQL code entered is:

```

INSERT INTO CATEGORY_DUMMY VALUES(CATEGORY__DUMMY_SEQ.NEXTVAL, 'FACEBOOK', 500)
SELECT * FROM CATEGORY_DUMMY
INSERT INTO CATEGORY_DUMMY VALUES(CATEGORY__DUMMY_SEQ.NEXTVAL, 'LINKEDIN', 510)
INSERT INTO CATEGORY_DUMMY VALUES(CATEGORY__DUMMY_SEQ.NEXTVAL, 'SNAPCHAT', 520)
INSERT INTO CATEGORY_DUMMY VALUES(CATEGORY__DUMMY_SEQ.NEXTVAL, 'WHATSAPP', 530)

```

The results show four rows inserted into the table:

CATEGORY_ID	CATEGORY_COMM	DUMMY_ID
700	FACEBOOK	500
705	LINKEDIN	510
710	SNAPCHAT	520
715	WHATSAPP	530

4 rows returned in 0.00 seconds

7. INSERT INTO COMM_ART_ENTER_EDU
VALUES('FACEBOOK','SKETCHBOOK','WETV','BOOK')

SELECT * FROM COMM_ART_ENTER_EDU

INSERT INTO COMM_ART_ENTER_EDU
VALUES('LINKEDIN','DESIDN','IQLYL','LEARN LANGUAGE')

INSERT INTO COMM_ART_ENTER_EDU VALUES('SNAPCHAT','TEXT ADD','MIVIDEO','DICTIONARY')

INSERT INTO COMM_ART_ENTER_EDU VALUES('WHATSAPP','DRAWING','KLIKK','CYMATH')

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

```

INSERT INTO COMM_ART_ENTER_EDU VALUES('FACEBOOK','SKETCHBOOK','WEIV','BOOK')
SELECT * FROM COMM_ART_ENTER_EDU
INSERT INTO COMM_ART_ENTER_EDU VALUES('LINKEDIN','DESIGN','IOLYL','LEARN LANGUAGE')
INSERT INTO COMM_ART_ENTER_EDU VALUES('SNAPCHAT','TEXT ADD','MI VEDIO','DICTIONARY')
INSERT INTO COMM_ART_ENTER_EDU VALUES('WHATAPP','DRAWING','KLICK','CYMATH')

```

The results window displays the following table:

CATEGORY_COMM	CATEGORY_ART	CATEGORY_ENTER	CATEGORY_EDU
FACEBOOK	SKETCHBOOK	WEIV	BOOK
LINKEDIN	DESIGN	IOLYL	LEARN LANGUAGE
SNAPCHAT	TEXT ADD	MI VEDIO	DICTIONARY
WHATAPP	DRAWING	KLICK	CYMAT

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

At the bottom, the status bar shows "Language: en-us" and "Copyright © 1999, 2006, Oracle. All rights reserved."

8. INSERT INTO DEVELOPER VALUES(DEVELOPER_SEQ.NEXTVAL,'RONY ISLAM','DHAKA','18-8465-873',01456789345,'RONY2343@GMAIL.COM',500)

SELECT * FROM DEVELOPER

INSERT INTO DEVELOPER VALUES(DEVELOPER_SEQ.NEXTVAL,'SABBIR ALAM','KHULNA','15-3333-678',01768564732,'SABBIR43@GMAIL.COM',510)

INSERT INTO DEVELOPER VALUES(DEVELOPER_SEQ.NEXTVAL,'TANIA ISLAM','PABNA','10-8976-657',014578994326,'TANIA23@GMAIL.COM',520)

INSERT INTO DEVELOPER VALUES(DEVELOPER_SEQ.NEXTVAL,'MUNNI ISLAM','KUSHTIA','19-9873-123',01456890021,'MUNNI00@GMAIL.COM',530)

The screenshot shows the Oracle Database Express Edition SQL Commands interface. The user is connected as SCOTT. The SQL script executed is:

```

INSERT INTO DEVELOPER VALUES(DEVELOPER_SEQ.NEXTVAL,'RONY ISLAM','DHAKA',18-8465-873',01456789345,'RONY2343@GMAIL.COM',500)
SELECT * FROM DEVELOPER
INSERT INTO DEVELOPER VALUES(DEVELOPER_SEQ.NEXTVAL,'SABBIR ALAM','KHULNA',15-3333-678',01768564732,'SABBIR43@GMAIL.COM',510)
INSERT INTO DEVELOPER VALUES(DEVELOPER_SEQ.NEXTVAL,'TANIA ISLAM','PABNA',10-8976-657',014578994326,'TANIA23@GMAIL.COM',520)
INSERT INTO DEVELOPER VALUES(DEVELOPER_SEQ.NEXTVAL,'MUNNI ISLAM','KUSHITA',19-9873-123',01456890021,'MUNNI10@GMAIL.COM',530)

```

The results table shows the inserted data:

DEV_ID	DEV_NAME	DEV_ADDRESS	DEV_ACCOUNTNO	DEV_PHONE	DEV_MAIL	DUMMY_ID
900	RONY ISLAM	DHAKA	18-8465-873	1456789345	RONY2343@GMAIL.COM	500
905	SABBIR ALAM	KHULNA	15-3333-678	01768564732	SABBIR43@GMAIL.COM	510
910	TANIA ISLAM	PABNA	10-8976-657	14578994326	TANIA23@GMAIL.COM	520
915	MUNNI ISLAM	KUSHITA	19-9873-123	1456890021	MUNNI10@GMAIL.COM	530

4 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.

9. INSERT INTO APP_CONSOLE_DUMMY

```
VALUES(APP_CONSOLE_DUMMY_SEQ.NEXTVAL,'4 AM','34-84567-897','127656567','4 AM',500)
```

```
SELECT * FROM APP_CONSOLE_DUMMY
```

```
INSERT INTO APP_CONSOLE_DUMMY
```

```
VALUES(APP_CONSOLE_DUMMY_SEQ.NEXTVAL,'9 AM','64-84567-009','315678756','9 AM',510)
```

```
INSERT INTO APP_CONSOLE_DUMMY
```

```
VALUES(APP_CONSOLE_DUMMY_SEQ.NEXTVAL,'10 PM','12-6543-897','5648654876','10 PM',520)
```

```
INSERT INTO APP_CONSOLE_DUMMY
```

```
VALUES(APP_CONSOLE_DUMMY_SEQ.NEXTVAL,'5 PM','46-7777-679','34798734','5 PM',530)
```

```
INSERT INTO APP_CONSOLE_DUMMY
```

```
VALUES(APP_CONSOLE_DUMMY_SEQ.NEXTVAL,0,0,0,0,NULL)
```

The screenshot shows a Windows desktop environment with a browser window open to the Oracle Database Express Edition SQL Commands interface. The URL is 127.0.0.1:8080/apex/f?p=4500:1003:2738115055193125::NO:::. The user is SCOTT. The SQL command entered is:

```

INSERT INTO APP_CONSOLE_DUMMY VALUES(APP_CONSOLE_DUMMY_SEQ.NEXTVAL,'4 AM','34-84567-897','127656567','4 AM',500)
SELECT * FROM APP_CONSOLE_DUMMY
INSERT INTO APP_CONSOLE_DUMMY VALUES(APP_CONSOLE_DUMMY_SEQ.NEXTVAL,'9 AM','64-84567-009','315678756','9 AM',510)
INSERT INTO APP_CONSOLE_DUMMY VALUES(APP_CONSOLE_DUMMY_SEQ.NEXTVAL,'10 PM','12-6543-897','5648654876','10 PM',520)
INSERT INTO APP_CONSOLE_DUMMY VALUES(APP_CONSOLE_DUMMY_SEQ.NEXTVAL,'5 PM','46-7777-679','34798734','5 PM',530)
INSERT INTO APP_CONSOLE_DUMMY VALUES(APP_CONSOLE_DUMMY_SEQ.NEXTVAL,0,0,0,0,NULL)

```

The results table shows the inserted data:

CONSOLE_ID	CONSOLE_BUYTIME	CONSOLE_TRANSID	CONSOLE_BANK	CONSOLE_SELLTIME	DUMMY_ID
1100	4 AM	34-84567-897	127656567	4 AM	500
1105	9 AM	64-84567-009	315678756	9 AM	510
1110	10 PM	12-6543-897	5648654876	10 PM	520
1115	5 PM	46-7777-679	34798734	5 PM	530
1120	0	0	0	0	-

5 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.

10. INSERT INTO B_B_N_C
`VALUES('127656567',012346857635,01987345674,4354567777)`

`SELECT * FROM B_B_N_C`

`INSERT INTO B_B_N_C`
`VALUES('315678756',01365789456,01534789654,896535576)`

`INSERT INTO B_B_N_C`
`VALUES('5648654876',01455867654,01234987654,3456788889)`

`INSERT INTO B_B_N_C`
`VALUES('34798734',01345678543,01239876543,88888765432)`

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

```

INSERT INTO B_B_N_C VALUES('127656567',012346857635,01987345674,4354567777)
SELECT * FROM B_B_N_C
INSERT INTO B_B_N_C VALUES('315678756',01365789456,01534789654,896535576)
INSERT INTO B_B_N_C VALUES('5648654876',01455867654,01234987654,3456788889)
INSERT INTO B_B_N_C VALUES('34798734',01345678543,01239876543,88888765432)

```

The results show a single row inserted into the B_B_N_C table:

CONSOLE_BANK	CONSOLE_BRASH	CONSOLE_NAGAD	CONSOLE_CARD
127656567	12346857635	1987345674	4354567777
315678756	1365789456	1534789654	896535576
5648654876	1455867854	1234987654	3456788889
34798734	1345678543	1239876543	88888765432

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

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

11.

```

INSERT INTO APP_CONSOLE_DEVELOPRE
VALUES(APP_CONSOLE_DEVELOPRE_SEQ.NEXTVAL,'4 AM','34-84567-
897','127656567','4 AM',900)

```

```
SELECT * FROM APP_CONSOLE_DEVELOPRE
```

```

INSERT INTO APP_CONSOLE_DEVELOPRE
VALUES(APP_CONSOLE_DEVELOPRE_SEQ.NEXTVAL,'9 AM','64-84567-
009','315678756','9 AM',905)

```

```

INSERT INTO APP_CONSOLE_DEVELOPRE
VALUES(APP_CONSOLE_DEVELOPRE_SEQ.NEXTVAL,'10 PM','12-6543-
897','5648654876','10 PM',910)

```

```

INSERT INTO APP_CONSOLE_DEVELOPRE
VALUES(APP_CONSOLE_DEVELOPRE_SEQ.NEXTVAL,'5 PM','46-7777-
679','34798734','5 PM',915)

```

```

INSERT INTO APP_CONSOLE_DEVELOPRE
VALUES(APP_CONSOLE_DEVELOPRE_SEQ.NEXTVAL,0,0,0,0,NULL)

```

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

```
INSERT INTO APP_CONSOLE_DEVELOPERS VALUES(APP_CONSOLE_DEVELOPERS_SEQ.NEXTVAL, '4 AM', '34-84567-897', '127656567', '4 AM', 900)
SELECT * FROM APP_CONSOLE_DEVELOPERS
```

The results show a single row inserted:

CONSOLE_ID	CONSOLE_BUYTIME	CONSOLE_TRANSID	CONSOLE_BANK	CONSOLE_SELLTIME	DEV_ID
1100	4 AM	34-84567-897	127656567	4 AM	900

5 rows returned in 0.00 seconds CSV Export

Application Express 2.1.0.0.39
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12. `INSERT INTO ONLY_DEVELOPER VALUES(900,'RONY ISLAM','DHAKA','18-8465-873',01456789345,'RONY2343@GMAIL.COM')`

`SELECT * FROM ONLY_DEVELOPER`

`INSERT INTO ONLY_DEVELOPER VALUES(905,'SABBIR ALAM','KHULNA','15-3333-678',01768564732,'SABBIR43@GMAIL.COM')`

`INSERT INTO ONLY_DEVELOPER VALUES(910,'TANIA ISLAM','PABNA','10-8976-657',014578994326,'TANIA23@GMAIL.COM')`

`INSERT INTO ONLY_DEVELOPER VALUES(915,'MUNNI ISLAM','KUSHTIA','19-9873-123',01456890021,'MUNNI00@GMAIL.COM')`

The screenshot shows the Oracle Database Express Edition interface. In the SQL Commands window, several INSERT statements are run into the ONLY_DEVELOPER table. The results show four rows inserted with IDs 900, 905, 910, and 915, each containing a developer's name, address, account number, phone number, and email.

```

INSERT INTO ONLY_DEVELOPER VALUES(900,'RONY ISLAM','DHAKA','18-8465-873',01456789345,'RONY2343@GMAIL.COM')
SELECT * FROM ONLY_DEVELOPER
INSERT INTO ONLY_DEVELOPER VALUES(905,'SABBIR ALAM','KHULNA','15-3333-678',01768564732,'SABBIR43@GMAIL.COM')
INSERT INTO ONLY_DEVELOPER VALUES(910,'TANIA ISLAM','PABNA','18-8976-657',014578994326,'TANIA23@GMAIL.COM')
INSERT INTO ONLY_DEVELOPER VALUES(915,'MUNNI ISLAM','KUSHITA',19-9873-123,01456890021,'MUNNI00@GMAIL.COM')

4 rows returned in 0.01 seconds CSV Export

```

DEV_ID	DEV_NAME	DEV_ADDRESS	DEV_ACCOUNTNO	DEV_PHONE	DEV_MAIL
900	RONY ISLAM	DHAKA	18-8465-873	1456789345	RONY2343@GMAIL.COM
905	SABBIR ALAM	KHULNA	15-3333-678	1768564732	SABBIR43@GMAIL.COM
910	TANIA ISLAM	PABNA	18-8976-657	14578994326	TANIA23@GMAIL.COM
915	MUNNI ISLAM	KUSHITA	19-9873-123	1456890021	MUNNI00@GMAIL.COM

**13. INSERT INTO FREEAPP_DUMMY
VALUES(FREEAPP_DUMMY_SEQ.NEXTVAL,'ADOBECAPTUREILLUSTRATOR',500)**

SELECT * FROM FREEAPP_DUMMY

**INSERT INTO FREEAPP_DUMMY
VALUES(FREEAPP_DUMMY_SEQ.NEXTVAL,'ADOBE EXPRESS-GRAFIC
DESIGN',510)**

**INSERT INTO FREEAPP_DUMMY
VALUES(FREEAPP_DUMMY_SEQ.NEXTVAL,'DUOLINGO-LEARN LANGUAGES',520)**

**INSERT INTO FREEAPP_DUMMY
VALUES(FREEAPP_DUMMY_SEQ.NEXTVAL,'WETV-ASIAN LOCAL AND DRAMA',530)**

The screenshot shows a Windows desktop environment with a browser window open to the Oracle Database Express Edition SQL Commands interface. The URL in the address bar is 127.0.0.1:8080/apex/f?p=4500:1003:2738115055193125::NO:::. The page displays a SQL script and its execution results.

```

SQL Commands
127.0.0.1:8080/apex/f?p=4500:1003:2738115055193125::NO::
Getting Started
ORACLE Database Express Edition
User SCOTT
Home > SQL > SQL Commands
Autocommit Display 10 Save Run
INSERT INTO FREEAPP_DUMMY VALUES(FREEAPP_DUMMY_SEQ.NEXTVAL,'ADORE CAPTURE ILLUSTRATOR',500)
SELECT * FROM FREEAPP_DUMMY
INSERT INTO FREEAPP_DUMMY VALUES(FREEAPP_DUMMY_SEQ.NEXTVAL,'ADBE EXPRESS-GRAPHIC DESIGN',510)
INSERT INTO FREEAPP_DUMMY VALUES(FREEAPP_DUMMY_SEQ.NEXTVAL,'DUOLINGO-LEARN LANGUAGES',520)
INSERT INTO FREEAPP_DUMMY VALUES(FREEAPP_DUMMY_SEQ.NEXTVAL,'WEIV-ASIAN LOCAL AND DRAMA',530)

Results Explain Describe Saved SQL History
FREEAPP_ID FREEAPP_NAME DUMMY_ID
1300 ADOBE CAPTURE ILLUSTRATOR 500
1305 ADOBE EXPRESS-GRAPHIC DESIGN 510
1310 DUOLINGO-LEARN LANGUAGES 520
1315 WEIV-ASIAN LOCAL AND DRAMA 530
4 rows returned in 0.00 seconds CSV Export

```

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14. INSERT INTO PAIDAPP_DUMMY

```
VALUES(PAIDAPP_DUMMY_SEQ.NEXTVAL,'AUDIO BOOKS BY STORYSHOTS','1000
BDT','34-98765-876',500)
```

```
SELECT * FROM PAIDAPP_DUMMY
```

```
INSERT INTO PAIDAPP_DUMMY VALUES(PAIDAPP_DUMMY_SEQ.NEXTVAL,'CRYPTO
TAB BROWSER PRO','500 BDT','67-98765-123',510)
```

```
INSERT INTO PAIDAPP_DUMMY VALUES(PAIDAPP_DUMMY_SEQ.NEXTVAL,'MI
VEDIO','2000 BDT','56-91234-865',520)
```

```
INSERT INTO PAIDAPP_DUMMY
```

```
VALUES(PAIDAPP_DUMMY_SEQ.NEXTVAL,'RABBITHOLE','1300 BDT','99-8754-
117',530)
```

The screenshot shows a Windows desktop environment with a browser window open to the Oracle Database Express Edition SQL Commands interface. The URL is 127.0.0.1:8080/apex/f?p=4500:1003:2738115055193125::NO::.

SQL Commands

User SCOTT

Home > SQL > SQL Commands

Autocommit: Display: 10

```
INSERT INTO PAIDAPP_DUMMY VALUES(PAIDAPP_DUMMY_SEQ.NEXTVAL,'AUDIO BOOKS BY STORYSHOTS','1000 BDT', '34-98765-876',500)
SELECT * FROM PAIDAPP_DUMMY
INSERT INTO PAIDAPP_DUMMY VALUES(PAIDAPP_DUMMY_SEQ.NEXTVAL,'CRYPTO TAB BROWSER PRO','500 BDT', '67-98765-123',510)
INSERT INTO PAIDAPP_DUMMY VALUES(PAIDAPP_DUMMY_SEQ.NEXTVAL,'MI VEDIO','2000 BDT', '56-91234-865',520)
INSERT INTO PAIDAPP_DUMMY VALUES(PAIDAPP_DUMMY_SEQ.NEXTVAL,'RABBITHOLE', '1300 BDT', '99-8754-117',530)
```

Save Run

Results

PAIDAPP_ID	PAIDAPP_NAME	PAIDAPP_FEE	PAIDAPP_TRANSID	DUMMY_ID
1500	AUDIO BOOKS BY STORYSHOTS	1000 BDT	34-98765-876	500
1505	CRYPTO TAB BROWSER PRO	500 BDT	67-98765-123	510
1510	MI VEDIO	2000 BDT	56-91234-865	520
1515	RABBITHOLE	1300 BDT	99-8754-117	530

4 rows returned in 0.01 seconds CSV Export

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

15.

INSERT INTO FREEAPP_USER VALUES(1300,1700)

SELECT * FROM FREEAPP_USER

INSERT INTO FREEAPP_USER VALUES(1305,1705)

INSERT INTO FREEAPP_USER VALUES(1310,1710)

INSERT INTO FREEAPP_USER VALUES(1315,1715)

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

```
INSERT INTO FREEAPP_USER VALUES(1300,1700)
SELECT * FROM FREEAPP_USER
INSERT INTO FREEAPP_USER VALUES(1305,1705)
INSERT INTO FREEAPP_USER VALUES(1310,1710)
INSERT INTO FREEAPP_USER VALUES(1315,1715)
```

The results show a single row inserted:

FREEAPP_ID	USER_ID
1300	1700
1305	1705
1310	1710
1315	1715

4 rows returned in 0.01 seconds. There is a CSV Export link.

16.

INSERT INTO FREEAPP_ONLY VALUES(1300,'ADOBECAPTUREILLUSTRATOR')

SELECT * FROM FREEAPP_ONLY

INSERT INTO FREEAPP_ONLY VALUES(1305,'ADOBEEXPRESS-GRAFIC DESIGN')

INSERT INTO FREEAPP_ONLY VALUES(1310,'DUOLINGOLEARN LANGUAGES')

INSERT INTO FREEAPP_ONLY VALUES(1315,'WETV-ASIAN LOCAL AND DRAMA')

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

```

INSERT INTO FREEAPP_ONLY VALUES(1300,'ADobe CAPTURE ILLUSTRATOR')
SELECT * FROM FREEAPP ONLY
INSERT INTO FREEAPP_ONLY VALUES(1305,'ADobe EXPRESS-GRAPHIC DESIGN')
INSERT INTO FREEAPP_ONLY VALUES(1310,'DUOLINGO-LEARN LANGUAGES')
INSERT INTO FREEAPP_ONLY VALUES(1315,'WETV-ASIAN LOCAL AND DRAMA')

```

The results table shows the following data:

FREEAPP_ID	FREEAPP_NAME
1300	ADobe CAPTURE ILLUSTRATOR
1305	ADobe EXPRESS-GRAPHIC DESIGN
1310	DUOLINGO-LEARN LANGUAGES
1315	WETV-ASIAN LOCAL AND DRAMA

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

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

17. INSERT INTO USERR VALUES(USERR_SEQ.NEXTVAL,'ADIBA ISLAM','CUMILLA','23-9854-123',01519005495,'ADIBA897@GMAIL.COM')

SELECT * FROM USERR

INSERT INTO USERR VALUES(USERR_SEQ.NEXTVAL,'AJMI KHATUN','DHAKA','12-9843-021',01987654321,'AJMI9943@GMAIL.COM')

INSERT INTO USERR VALUES(USERR_SEQ.NEXTVAL,'MOHAMMAD BORNO','RAJSHAHI','87-0421-876',01234567890,'BORNO1111@GMAIL.COM')

INSERT INTO USERR VALUES(USERR_SEQ.NEXTVAL,'RATUL ALI','SYLHET','60-0340-010',01698432178,'RATUL77@GMAIL.COM')

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

```

INSERT INTO USERR VALUES(USERR_SEQ.NEXTVAL, 'ADIBA ISLAM', 'CUMILLA', '23-9854-123', 01519005495, 'ADIBA897@GMAIL.COM')
SELECT * FROM USERR
INSERT INTO USERR VALUES(USERR_SEQ.NEXTVAL, 'AJMI KHATUN', 'DHAKA', '12-9843-021', 01987654321, 'AJMI9943@GMAIL.COM')
INSERT INTO USERR VALUES(USERR_SEQ.NEXTVAL, 'MOHAMMAD BORNO', 'RAJSHAHI', '87-0421-876', 01234567890, 'BORNO1111@GMAIL.COM')
INSERT INTO USERR VALUES(USERR_SEQ.NEXTVAL, 'RATUL ALI', 'SYLHET', '60-0340-010', 01698432178, 'RATUL77@GMAIL.COM')

```

The results table shows the inserted data:

USERR_ID	USERR_NAME	USERR_ADDRESS	USERR_ACCOUNTNO	USERR_PHONE	USERR_MAIL
1700	ADIBA ISLAM	CUMILLA	23-9854-123	01519005495	ADIBA897@GMAIL.COM
1705	AJMI KHATUN	DHAKA	12-9843-021	01987654321	AJMI9943@GMAIL.COM
1710	MOHAMMAD BORNO	RAJSHAHI	87-0421-876	01234567890	BORNO1111@GMAIL.COM
1715	RATUL ALI	SYLHET	60-0340-010	01698432178	RATUL77@GMAIL.COM

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

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

18.

`INSERT INTO PAIDAPP_USER VALUES(1700,1500)`

`SELECT * FROM PAIDAPP_USER`

`INSERT INTO PAIDAPP_USER VALUES(1705,1505)`

`INSERT INTO PAIDAPP_USER VALUES(1710,1510)`

`INSERT INTO PAIDAPP_USER VALUES(1715,1515)`

The screenshot shows a Windows desktop environment with a browser window open to the Oracle Database Express Edition SQL Commands interface. The URL in the address bar is 127.0.0.1:8080/apex/f?p=4500:1003:2738115055193125::NO:::. The page displays a SQL script and its results.

```

INSERT INTO PAIDAPP_USER VALUES(1700,1500)
SELECT * FROM PAIDAPP_USER
INSERT INTO PAIDAPP_USER VALUES(1705,1505)
INSERT INTO PAIDAPP_USER VALUES(1710,1510)
INSERT INTO PAIDAPP_USER VALUES(1715,1515)

```

Results

USER_ID	PAIDAPP_ID
1700	1500
1705	1505
1710	1510
1715	1515

4 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.

19.

```
INSERT INTO PAIDAPP_ONLY VALUES(1500,'AUDIO BOOKS BY STORYSHOTS','1000
BDT','34-98765-876')
```

```
SELECT * FROM PAIDAPP_ONLY
```

```
INSERT INTO PAIDAPP_ONLY VALUES(1505,'CRYPTO TAB BROWSER PRO','500
BDT','67-98765-123')
```

```
INSERT INTO PAIDAPP_ONLY VALUES(1510,'MI VEDIO','2000 BDT','56-91234-865')
```

```
INSERT INTO PAIDAPP_ONLY VALUES(1515,'RABBITHOLE','1300 BDT','99-8754-
117')
```

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

```

INSERT INTO PAIDAPP_ONLY VALUES(1500,'AUDIO BOOKS BY STORYSHOTS','1000 BDT','34-98765-876')
SELECT * FROM PAIDAPP_ONLY
INSERT INTO PAIDAPP_ONLY VALUES(1505,'CRYPTO TAB BROWSER PRO','500 BDT','67-98765-123')
INSERT INTO PAIDAPP_ONLY VALUES(1510,'MI VEDIO',2000 BDT,'56-91234-865')
INSERT INTO PAIDAPP_ONLY VALUES(1515,'RABBITHOLE',1300 BDT,'99-8754-117')

```

The results table shows the inserted data:

PAIDAPP_ID	PAIDAPP_NAME	PAIDAPP_FEE	PAIDAPP_TRANSID
1500	AUDIO BOOKS BY STORYSHOTS	1000 BDT	34-98765-876
1510	MI VEDIO	2000 BDT	56-91234-865
1515	RABBITHOLE	1300 BDT	99-8754-117
1505	CRYPTO TAB BROWSER PRO	500 BDT	67-98765-123

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

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QUERY:

Subquery

1. Display the first maximum salary.

SELECT *

FROM EMPLOYEE

WHERE SALARY=(SELECT MAX(SALARY) FROM EMPLOYEE);

The screenshot shows a web-based Oracle Database Express Edition interface. The browser title bar reads "SQL Commands". The address bar shows the URL "127.0.0.1:8080/apex/f?p=4500:1003:2738115055193125::NO::". The main content area displays a SQL command:

```
SELECT *  
FROM EMPLOYEE  
WHERE SALARY=(SELECT MAX(SALARY) FROM EMPLOYEE);
```

The results section shows a single row of data:

EMP_ID	EMP_NAME	SALARY	DEPT_ID
100	ARNOB DEY	80000	300

Below the table, it says "1 rows returned in 0.01 seconds" and there is a "CSV Export" link.

At the bottom right, it says "Application Express 2.1.0.0.39" and "Copyright © 1999, 2006, Oracle. All rights reserved."

2. Display the second maximum salary.

```
SELECT MAX(SALARY)  
FROM EMPLOYEE  
WHERE SALARY < ( SELECT MAX(SALARY)  
FROM EMPLOYEE)
```

User: SCOTT

Home > SQL > SQL Commands

```
SELECT MAX(SALARY)
FROM EMPLOYEE
WHERE SALARY < ( SELECT MAX(SALARY)
FROM EMPLOYEE)
```

Results Explain Describe Saved SQL History

MAX(SALARY)
75000

1 rows returned in 0.01 seconds CSV Export

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

3. Display the third maximum salary.

**SELECT MAX(SALARY) FROM EMPLOYEE WHERE SALARY<(SELECT MAX(SALARY)
FROM EMPLOYEE WHERE SALARY<>(SELECT MAX(SALARY) FROM EMPLOYEE));**

User: SCOTT

Home > SQL > SQL Commands

```
SELECT MAX(SALARY) FROM EMPLOYEE WHERE SALARY<(SELECT MAX(SALARY) FROM EMPLOYEE WHERE SALARY<>(SELECT MAX(SALARY) FROM EMPLOYEE));
```

Results Explain Describe Saved SQL History

MAX(SALARY)
70000

1 rows returned in 0.00 seconds CSV Export

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View

4.Create a view called EMP1000 based on the employee number, employee name, and department number from the EMP table.

```
CREATE VIEW EMP1000
```

```
AS SELECT EMP_ID,EMP_NAME
```

```
FROM EMPLOYEE
```

```
SELECT *
```

```
FROM EMP1000
```

The screenshot shows the Oracle Database Express Edition interface. In the SQL Commands window, a new view named EMP1000 is created with the following SQL:

```
CREATE VIEW EMP1000
AS SELECT EMP_ID,EMP_NAME
FROM EMPLOYEE
```

Below this, a SELECT query is run:

```
SELECT *
FROM EMP1000
```

The results are displayed in a grid:

EMP_ID	EMP_NAME
100	ARNOB DEY
101	HASIBUR RAHMAN RAHM
102	MD ADULL ISLAM
103	KANU FATEMA BORBA

4 rows returned in 0.00 seconds

5.Create a view called EMP66 based on the department id, employee name, employee id and salary from the EMP table.

```
CREATE VIEW EMP66
```

```

AS SELECT EMP_ID,EMP_NAME,SALARY,DEPT_ID
FROM EMPLOYEE
SELECT *
FROM EMP66

```

The screenshot shows the Oracle Database Express Edition interface. In the SQL Commands tab, a CREATE VIEW statement is entered:

```

CREATE VIEW EMP66
AS SELECT EMP_ID,EMP_NAME,SALARY,DEPT_ID
FROM EMPLOYEE

```

Below it, a SELECT statement is shown:

```

SELECT *
FROM EMP66

```

In the Results tab, the output of the query is displayed as a table:

EMP_ID	EMP_NAME	SALARY	DEPT_ID
100	ARNOB DEY	80000	300
101	HASIBUR RAHMAN RAHM	70000	301
102	MD AULLA ISLAM	75000	302
103	KANU FATEMA BORSA	60000	303

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

At the bottom, the status bar shows "Language: en-us" and "Copyright © 1999, 2005, Oracle. All rights reserved. Application Express 2.1.0.0.39".

6.Create a view named DEPT2000 that contains the employee id, employee name, and department number for all employees in department id 300. Label the view column EMPLOYEE_ID, EMPLOYEE, and DEPARTMENT_ID. Do not allow an employee to be reassigned to another department through the view.

```

CREATE OR REPLACE VIEW DEPT2000
AS SELECT EMP_ID EMPLOYEE_ID, EMP_NAME EMPLOYEE, DEPT_ID
DEPARTMENT_ID
FROM EMPLOYEE

```

```
WHERE DEPT_id=300  
WITH CHECK OPTION
```

```
SELECT *\nFROM DEPT2000
```

The screenshot shows the Oracle Database Express Edition SQL Commands interface. The browser title bar reads "SQL Commands". The address bar shows the URL "127.0.0.1:8080/apex/?p=4500:1003:2738115055193125:NO:::". The page header includes "Getting Started" and "ORACLE Database Express Edition". The user is logged in as "User SCOTT". The main content area displays the following SQL code:

```
CREATE OR REPLACE VIEW DEPT2000
AS SELECT EMP_ID EMPLOYEE_ID, ENP_NAME EMPLOYEE, DEPT_ID DEPARTMENT_ID
FROM EMPLOYEE
WHERE DEPT_ID=300
WITH CHECK OPTION

SELECT *
FROM DEPT2000
```

Below the code, there are "Save" and "Run" buttons. At the bottom, there are tabs for "Results", "Explain", "Describe", "Saved SQL", and "History". The "Results" tab is selected, showing a single row of data:

EMPLOYEE_ID	EMPLOYEE	DEPARTMENT_ID
100	ARINCY DEY	300

At the very bottom, it says "1 rows returned in 0.02 seconds" and has "CSV Export" links.



JOINING

7. Show all the information of the employees working and the departments?

```
SELECT D.DEPARTMENT_ID, D.DEPARTMENT_NAME, E.EMPLOYEE_NAME, E.SALARY
```

FROM DEPARTMENT D, EMPLOYEE E

WHERE D.DEPT_ID=E.DEPT_ID;

The screenshot shows the Oracle Database Express Edition SQL Commands interface. A SQL query is being run:

```

SELECT D.DEPT_ID, D.DEPT_NAME, E.EMP_NAME, E.SALARY
FROM DEPARTMENT D, EMPLOYEE E
WHERE D.DEPT_ID=E.DEPT_ID;

```

The results are displayed in a table:

DEPT_ID	DEPT_NAME	EMP_NAME	SALARY
300	IT	ARNOB DEY	80000
301	ACCOUNTING	HASIBUR RAHMAN RAHIM	70000
302	MANAGEMENT	MD ABDUL ISLAM	75000
303	IT	KANU FATEMA BORSA	60000

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

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8. Show all the consoles where console_developer's console_id and app_console_dummy's console_id are same.

```

SELECT NVL2(D.DEV_ID,'NO DEVELOPER'),CD.CONSOLE_ID
FROM APP_CONSOLE_DEVELOPRE CD, APP_CONSOLE_DUMMY D
WHERE CD.CONSOLE_ID=D.CONSOLE_ID(+);

```

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

```
SELECT NVL2(D.DEV_ID,'NO DEVELOPER'),CD.CONSOLE_ID
FROM APP_CONSOLE_DEVELOPPE CD, APP_CONSOLE_DUMMY D
WHERE CD.CONSOLE_ID=D.CONSOLE_ID(+)
```

The results table shows the following data:

NVL2(ENAME,DNAME,'NO DEVELOPER')	DEPT_NAME
RESEARCH	RESEARCH
SALES	SALES
SALES	SALES
RESEARCH	RESEARCH
SALES	SALES
SALES	SALES
ACCOUNTING	ACCOUNTING
RESEARCH	RESEARCH
ACCOUNTING	ACCOUNTING
SALES	SALES

More than 10 rows available. Increase rows selector to view more rows.

10 rows returned in 0.00 seconds

9 .Show all the consoles those by time and sell time are saying using self joining.

```
SELECT CD.CONSOLE_ID || 'Is Bought By' || DC.DEV_ID
FROM APP_CONSOLE_DEVELOPPE CD, APP_CONSOLE_DEVELOPPE DC
WHERE CD.CONSOLE_BUYTIME= DC.CONSOLE_SELLTIME
```

The screenshot shows the Oracle Database Express Edition interface. In the top navigation bar, there are tabs for File, Edit, View, History, Bookmarks, Tools, and Help. Below the tabs, there's a toolbar with icons for Undo, Redo, Cut, Copy, Paste, Find, Replace, and others. The main window title is "SQL Commands". The URL in the address bar is "127.0.0.1:8080/apex/?p=4500:1003:2738115055193125;NO::". The user is logged in as SCOTT.

The SQL command entered is:

```
SELECT CD.CONSOLE_ID||' Is Bought By '||DK.DEV_ID
FROM APP.CONSOLE_DEVELOPERS_CD, APP.CONSOLE_DEVELOPERS_DC
WHERE CD.CONSOLE_BUYERID= DC.CONSOLE_SELLERID;
```

The results grid displays the following data:

WORKERENAME	BUGHTBY	MANAGERENAME
SIMITH	Is Bought By FORD	
ALLEN	Is Bought By BLAKE	
WARD	Is Bought By BLAKE	
JONES	Is Bought By KING	
MARTIN	Is Bought By BLAKE	
BLAKE	Is Bought By KING	
CLARK	Is Bought By KING	
SCOTT	Is Bought By JONES	
TURNER	Is Bought By BLAKE	
ADAMS	Is Bought By SCOTT	

More than 10 rows available. Increase rows selector to view more rows.

10 rows returned in 0.01 seconds.

At the bottom of the screen, there's a taskbar with various application icons (Windows, Search, Mail, etc.) and system status indicators (weather, battery, signal strength).

Query:

10. Show th information from dummy table?

```
SELECT *
FROM DUMMY
```

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=4500:1003:2738115055193125::NO:::. The query entered is:

```
SELECT *  
FROM DUMMY
```

The results table displays the following data:

DUMMY_ID	DUMMY_NAME	DUMMY_SIZE	DUMMY_TYPE	DUMMY_MAIL	DUMMY_PHONE
500	DUMMY APP STORE	112 MB	ANDROID	DUMMYAPP100@GMAIL.COM	1699734567
510	DUMMY APP STORE	150 MB	WINDOWS 11	DUMMYAPP200@GMAIL.COM	1749964278
520	DUMMY APP STORE	175 MB	WINDOWS 10	DUMMYAPP300@GMAIL.COM	1974563729
530	DUMMY APP STORE	200 MB	LINUX	DUMMYAPP400@GMAIL.COM	15678934567

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

Application Express 2.1.0.0.39
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12. Show employee id, employee name and department id from employee table?

```
SELECT EMP_ID,EMP_NAME,DEPT_ID  
FROM EMPLOYEE
```

The screenshot shows the Oracle Database Express Edition interface. The user is connected as SCOTT. A SQL command is being run:

```
SELECT EMP_ID,EMP_NAME,DEPT_ID  
FROM EMPLOYEE
```

The results show four rows:

EMP_ID	EMP_NAME	DEPT_ID
100	ARNOB DEY	300
101	HASIBUR RAHMAN RAHM	301
102	MD ADUL ISLAM	302
103	KANU FATEMA BORSA	303

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

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13. Show the information from developer table?

```
SELECT *  
FROM DEVELOPER
```

The screenshot shows the Oracle Database Express Edition interface. The user is connected as SCOTT. A SQL command is being run:

```
select *  
from developer
```

The results show five rows:

DEV_ID	DEV_NAME	DEV_ADDRESS	DEV_ACCOUNTNO	DEV_PHONE	DEV_MAIL	DUMMY_ID
900	RONY ISLAM	DHAKA	18-0495-873	1456789345	RONY2343@GMAIL.COM	500
905	SABBIR ALAM	KHULNA	15-3333-878	1766554732	SABBIR43@GMAIL.COM	510
910	TANIA ISLAM	PABNA	10-8976-857	14578994328	TANIA23@GMAIL.COM	520
915	MUNNI ISLAM	KUSHITA	19-9873-123	14568990021	MUNNI00@GMAIL.COM	530

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

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Add constraint –

CREATE TABLE DEVELOPER

```
(DEV_ID VARCHAR2(10) PRIMARY KEY,  
DEV_NAME VARCHAR2(30) NOT NULL,  
DEV_ADDRESS VARCHAR2(30) ,  
DEV_ACCOUNTNO VARCHAR2(30) NOT NULL,  
DEV_PHONE NUMBER(15) ,  
DEV_MAIL VARCHAR2(20) NOT NULL,  
DUMMY_ID VARCHAR2(10)  
);
```

DESC DEVELOPER

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window displays the creation of the DEVELOPER table with the specified constraints. Below the SQL window, the Object Navigator shows the DEVELOPER table with its columns and their properties. The status bar at the bottom indicates the language is en-us and the application version is 2.1.0.0.39.

SQL Commands

```
File Edit View History Bookmarks Tools Help  
SQL Commands +  
127.0.0.1:8080/apex/f?p=4500:1003:2738115055193125:NO::  
Getting Started  
ORACLE Database Express Edition  
User: SCOTT  
Home > SQL > SQL Commands  
Autocommit Display 10 Save Run  
CREATE TABLE DEVELOPER  
(  
    DEV_ID VARCHAR2(10) PRIMARY KEY,  
    DEV_NAME VARCHAR2(30) NOT NULL,  
    DEV_ADDRESS VARCHAR2(30) ,  
    DEV_ACCOUNTNO VARCHAR2(30) NOT NULL,  
    DEV_PHONE NUMBER(15),  
    DEV_MAIL VARCHAR2(20) NOT NULL,  
    DUMMY_ID VARCHAR2(10)  
);  
DESC DEVELOPER
```

Object Type TABLE Object DEVELOPER

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DEVELOPER	DEV_ID	Varchar2	10	-	-	1	-	-	-
DEVELOPER	DEV_NAME	Varchar2	30	-	-	-	-	-	-
DEVELOPER	DEV_ADDRESS	Varchar2	30	-	-	-	✓	-	-
DEVELOPER	DEV_ACCOUNTNO	Varchar2	30	-	-	-	-	-	-
DEVELOPER	DEV_PHONE	Number	-	15	0	-	✓	-	-
DEVELOPER	DEV_MAIL	Varchar2	20	-	-	-	-	-	-
DEVELOPER	DUMMY_ID	Varchar2	10	-	-	✓	-	-	-

Language: en-us Application Express 2.1.0.0.39
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CONCLUSION:

During this project, we learned the basics of the database management system and implemented them practically. Through this project, our aim is to help those who are related to the app store and its management. we used normalization to make this system for this we will not face any problems in data Deletion, data Insertion, data Update. we also used sequence it's making our work easier. We hope that this project will ease the complication of data management and make various processes faster regarding the app store management system.