

Ex No:2 CREATION AND MODIFICATION OF TABLES USING DDL COMMANDS**Date : 06.02.2023****Aim:**

To create a game store database using the schema

- 1.Employee(Name,Home,Phone,DOB,Email)
- 2.Customer (Password,ID,Email,Phone,Name,DOB)
- 3.Product(Game,Accessory,Sales_Event)
- 4.Store(Website,Store Name)

using DDL commands in ORACLE. Also, to modify the existing table structure and to drop the table.

SHEMA DIAGRAM:

Employee	Customer	Product	Store
<u>Game -ID</u>	<u>Game -ID</u>	<u>Game -ID</u>	<u>Game-ID</u>
Name	Password	Game	Website-address
Home	ID	Accessory	Store-Email
Phone	Email	Sales_Event	Store-Name
Email	Name		Custome-Service

DATA DICTIONARY:

Describe the relations with required data types of each field and with necessary constraint for creating the tables.

Store relation

Attribute	Data type	Constrain	Remarks
Game-id	Varchar(20)	Primary key	Unique id of game
Website	Varchar(100)	-	Name of website
Store name	Varchar(100)	-	Name of Store
Store email	Varchar(100)	-	Email address
Customer service	Varchar(100)	-	Phone or contact info

Product type

Attribute	Datatype	Constrain	Remarks
Game-id	Varchar(20)	Foreign key	Reference store relation
Name	Varchar(100)	-	Name of the game
Sales-event	Varchar(100)	-	Destination of sales
Accessory	Varchar(20)	-	Required gadjets for gaming

Customer details:

Attribute	Datatype	Constrain	Remarks
Game-id	Varchar(20)	Foreign key	Reference store relation
Name	Varchar(100)	-	Name of the customer
Email	Varchar(100)	-	Email address
Password	Varchar(20)	-	Unique password
ID	Varchar(20)	-	Unique ID of customer

Procedure:

CREATE TABLE STORE (

PRODUCT_ID VARCHAR(20) CONSTRAINT p1 PRIMARY KEY,

STORE_NAME VARCHAR(100) NOT NULL,

WEB_ADDRESS VARCHAR(100) NOT NULL,

SERVICE_ID VARCHAR(100) NOT NULL,

DOB DATE,

STORE_CONTACT NUMBER(10,0),

STORE_ID VARCHAR(10)

);

CREATE TABLE PRODUCT (

PRODUCT_ID VARCHAR(20) NOT NULL,CONSTRAINT fk_ PRODUCT_ID FOREIGN KEY (PRODUCT_ID) REFERENCES STORE(PRODUCT_ID),

```

PRODUCT_NAME VARCHAR(100) NOT NULL,
PRODUCT_PRICE VARCHAR(100) NOT NULL
);

INSERT INTO STORE VALUES
(001,'DEVILPC','devilpc@gmail.com','dpc143',9876543210,'venom-01');

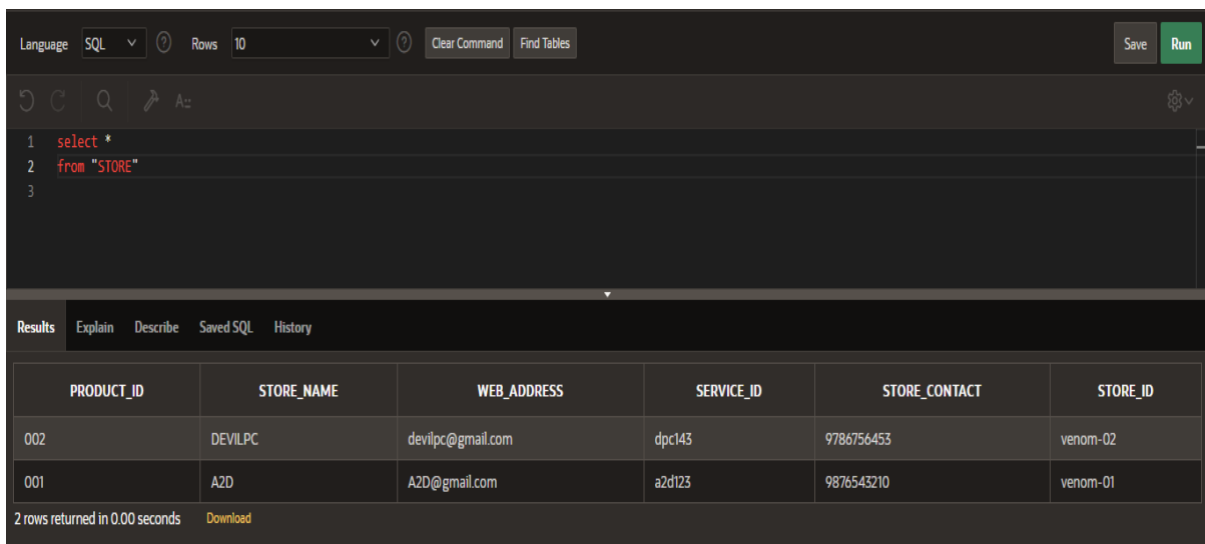
INSERT INTO STORE VALUES
(002,'A2D','a2d@gmail.com','a2d143',9876543210,'venom-02');

INSERT INTO PRODUCT VALUES(001,'X-BOX',75000);

INSERT INTO PRODUCT VALUES(002,'vr',75000);

INSERT INTO PRODUCT VALUES(003,'PS4',75000);

```



The screenshot shows a SQL IDE interface. At the top, there's a toolbar with 'Language' set to 'SQL', 'Rows' set to '10', and buttons for 'Clear Command', 'Find Tables', 'Save', and 'Run'. Below the toolbar, the SQL editor contains the following query:

```

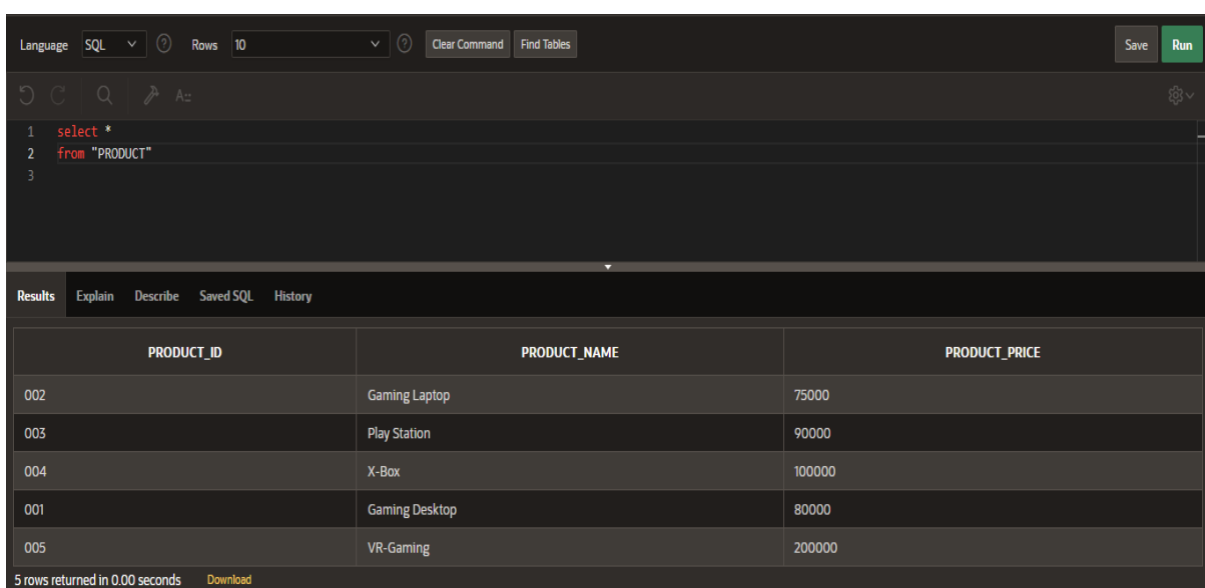
1 select *
2 from "STORE"
3

```

The 'Results' tab is active, displaying a table with 6 columns: PRODUCT_ID, STORE_NAME, WEB_ADDRESS, SERVICE_ID, STORE_CONTACT, and STORE_ID. The table contains 2 rows of data.

PRODUCT_ID	STORE_NAME	WEB_ADDRESS	SERVICE_ID	STORE_CONTACT	STORE_ID
002	DEVILPC	devilpc@gmail.com	dpc143	9786756453	venom-02
001	A2D	A2D@gmail.com	a2d123	9876543210	venom-01

At the bottom of the results section, it says '2 rows returned in 0.00 seconds' and provides a 'Download' link.



The screenshot shows a SQL IDE interface. At the top, there's a toolbar with 'Language' set to 'SQL', 'Rows' set to '10', and buttons for 'Clear Command', 'Find Tables', 'Save', and 'Run'. Below the toolbar, the SQL editor contains the following query:

```

1 select *
2 from "PRODUCT"
3

```

The 'Results' tab is active, displaying a table with 3 columns: PRODUCT_ID, PRODUCT_NAME, and PRODUCT_PRICE. The table contains 5 rows of data.

PRODUCT_ID	PRODUCT_NAME	PRODUCT_PRICE
002	Gaming Laptop	75000
003	Play Station	90000
004	X-Box	100000
001	Gaming Desktop	80000
005	VR-Gaming	200000

At the bottom of the results section, it says '5 rows returned in 0.00 seconds' and provides a 'Download' link.

Results

Explain

Describe

Saved SQL

History

PRODUCT_ID	CUS_ID	CUS_NAME	CUS_ADDRESS	CUS_CONTACT_NO	CUS_EMAIL
002	2	KISHORE	CHENNAL_THAMBARAM	9787679875	KISHORE54@GMAIL.COM
001	1	HARISH	CHENNAL_THALLAKULAM	9909879875	HARISH@GMAIL.COM
003	3	AAKASH	MADURAI_VILLAPURAM	9787667887	AAKASH78@GMAIL.COM

Results

Explain

Describe

Saved SQL

History

PRODUCT_ID	EMPLOYEE_ID	EMP_NAME	EMP_ADDRESS	EMP_EMAIL	EMP_DATEOFBIRTH	EMP_CONTACT_NO
001	100	RAM	MADURAI_KEELAVAASAL	RAM123@GMAIL.COM	26-11-1999	9878987888
003	103	CHERAN	MADURAI_MAHAL	CHERAN454@GMAIL.COM	06-3-1989	9878987665
002	101	VIGNESH	MADURAI_THIRUNAGAR	VIGNESH01@GMAIL.COM	22-04-1995	9944987888

Parameter	Marks
Perfection in Table Design(10)	
Completion(05)	
Neatness(05)	
Prompt Timing(05)	
Total(25)	

Result

The creation and modification of Table using DDL commands has been successfully created.