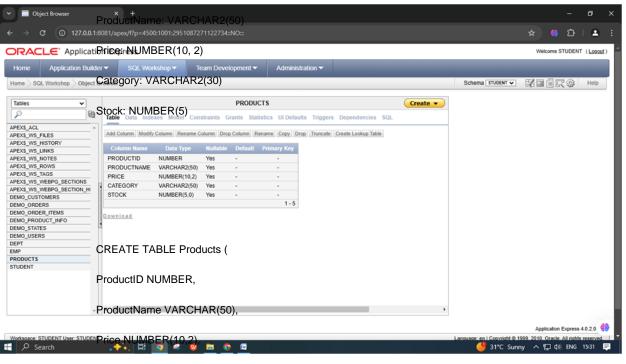
1. Create the Products Table

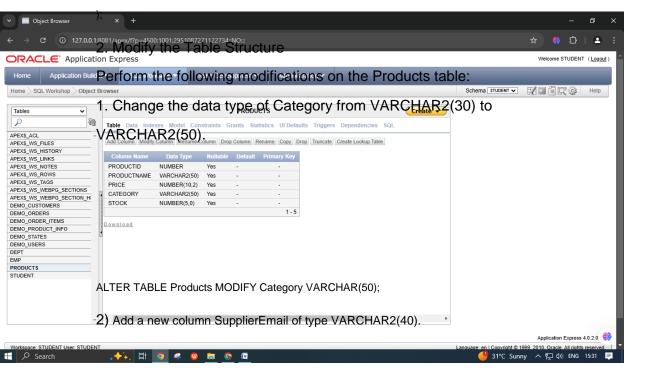
Create a table named Products with the following columns:

ProductID: NUMBER



Category VARCHAR(30),

Stock NUMBER(5)



Column Name	Data Type	Nullable	Default	Primary Key
PRODUCTID	NUMBER	Yes	-	-
PRODUCTNAME	VARCHAR2(50)	Yes	-	-
PRICE	NUMBER(10,2)	Yes	-	-
CATEGORY	VARCHAR2(50)	Yes	-	-
STOCK	NUMBER(5,0)	Yes	-	-
SUPPLIEREMAIL	VARCHAR2(40)	Yes	-	-
				1 - 6

ALTER TABLE Products ADD SupplierEmail VARCHAR2(40);

3) Drop the Stock column from the table.

Column Name	Data Type	Nullable	Default	Primary Key
PRODUCTID	NUMBER	Yes	-	-
PRODUCTNAME	VARCHAR2(50)	Yes	-	-
PRICE	NUMBER(10,2)	Yes	-	-
CATEGORY	VARCHAR2(50)	Yes	-	-
SUPPLIEREMAIL	VARCHAR2(40)	Yes	-	-
				1 - 5

ALTER TABLE Products DROP COLUMN Stock;

4) Add a new column AddedDate with the data type DATE.

Column Name	Data Type	Nullable	Default	Primary Key
PRODUCTID	NUMBER	Yes	-	-
PRODUCTNAME	VARCHAR2(50)	Yes	-	-
PRICE	NUMBER(10,2)	Yes	-	-
CATEGORY	VARCHAR2(50)	Yes	-	-
SUPPLIEREMAIL	VARCHAR2(40)	Yes	-	-
ADDEDDATE	DATE	Yes	-	-
				1 - 6

ALTER TABLE Products ADD AddedDate DATE;

3. Add Constraints

Add constraints to ensure data integrity:

1. Add a primary key constraint on the ProductID column (if not already added).

Column Name	Data Type	Nullable	Default	Primary Key
PRODUCTID	NUMBER	No	-	1
PRODUCTNAME	VARCHAR2(50)	Yes	-	-
PRICE	NUMBER(10,2)	Yes	-	-
CATEGORY	VARCHAR2(50)	Yes	-	-
SUPPLIEREMAIL	VARCHAR2(40)	Yes	-	-
ADDEDDATE	DATE	Yes	-	-
				1 - 6

ALTER TABLE Products ADD CONSTRAINT PK_Products PRIMARY KEY (ProductID);

2. Add a unique constraint to the SupplierEmail column.



ALTER TABLE Products ADD CONSTRAINT UQ_SupplierEmail UNIQUE (SupplierEmail);

4. Populate and Explore Deleting/Truncating Tables

Perform the following actions and observe the differences:

1. Insert a few rows into the Products table to test the table structure and constraints.

EDIT	PRODUCTID	PRODUCTNAME	PRICE	CATEGORY	SUPPLIEREMAIL	ADDEDDATE
Ø	1	soap	30	washing	piya@gmail.com	12/16/2024
Ø	2	detergent	40	washing	jalmi@gmail.com	12/16/2024
Ø	3	spoon	3	crockery	laxmi@gmail.com	12/16/2024
						row(s) 1 - 3 of 3

2. Use the TRUNCATE command to remove all rows from the table without deleting its structure.



TRUNCATE TABLE Products;

3. Use the DROP command to delete the Products table completely.

DROP TABLE Products;



5. Insert 10 Rows into the Products Table

EDIT	PRODUCTID	PRODUCTNAME	PRICE	CATEGORY	STOCK
Z.	1	soap	30	washing	300
	2	detergent	35	washing	300
Z.	3	spoon	3	crockery	350
Z.	4	plate	10	crockery	340
Z.	5	glass	10	crockery	330
Z.	6	bowl	20	crockery	300
	7	blanket	100	furnishing	100
Z.	8	pillow	79	furnishing	110
Ø	9	bed	12000	furnishing	100
Ø	10	quilt	10000	furnishing	120
				row(s) 1	- 10 of 10

- 6. Perform Basic DML Commands
- 1. SELECT Command (Retrieve Data):

SELECT * FROM Products;

PRODUCTID	PRODUCTNAME	PRICE	CATEGORY	STOCK
1	soap	30	washing	300
2	detergent	35	washing	300
3	spoon	3	crockery	350
4	plate	10	crockery	340
5	glass	10	crockery	330
6	bowl	20	crockery	300
7	blanket	100	furnishing	100
8	pillow	79	furnishing	110
9	bed	12000	furnishing	100
10	quilt	10000	furnishing	120