Question 1 :

**Code:**

CREATE TABLE SUPPLIER

( supplier\_id NUMBER(10) PRIMARY KEY,

supplier\_name VARCHAR2(50) UNIQUE,

contact\_name varchar2(50),

phone\_no varchar2(10) UNIQUE,

city varchar2(10),

Region VARCHAR2(3)

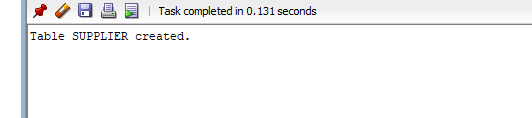
CONSTRAINT check\_region

CHECK (Region IN ('N', 'NW', 'NE', 'S', 'SE', 'SW', 'W', 'E') )

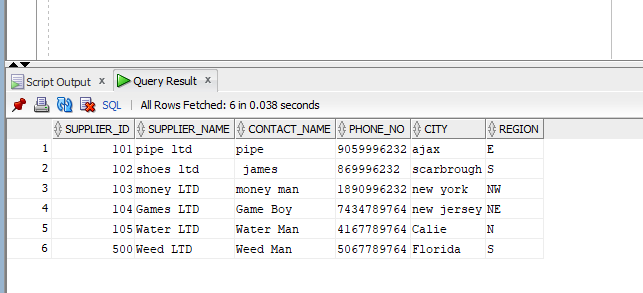
);

Result Image:

Q1: create table

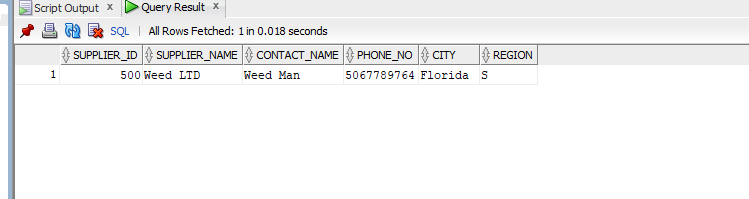


Q1-1: add five results



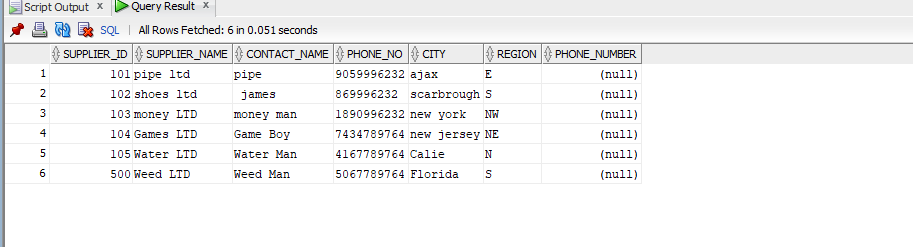
Q1-2: Display the details of the supplier who comes from Florida and their supplier id 500

select \* from supplier where REGION = 'Florida' AND SUPPLIER\_ID = 500;



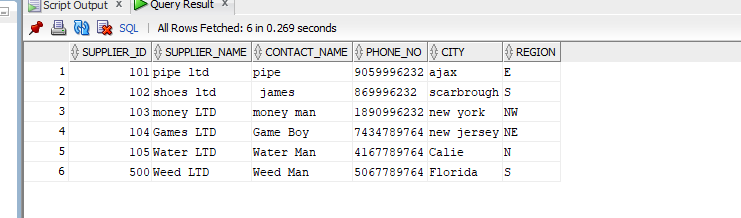
Q1-3 : Add phone number in the supplier table using DDL command

ALTER TABLE supplier ADD (phone\_number number(10));



Q1-4: Delete the unused column in the supplier table

ALTER TABLE supplier DROP COLUMN PHONE\_NUMBER;



Q1-5: drop supplier table

Code: drop table supplier;

Q1-6:

Code:

CREATE VIEW supplier\_contact AS

SELECT SUPPLIER\_ID, SUPPLIER\_NAME,PHONE\_NO

FROM supplier;

[The code would not run because I dropped the table in the table in the previous question

Question 2 :

Q2-1: Create flow chart

Display total shipping Cost

Calculate shipping Cost

With

Membership Discount

Calculate shipping Cost

Without

Membership Discount

Member?

Retrieve membership status

And

Number of items bought

Q2-2 : Create a pl/sql block to complete the above task. Include variable that holds Y OR N to include membership status and a variable to denote the number of items purchased. Verify with different values

DECLARE

MEMB\_STAT CHAR(1):='N';

NUM\_ITEMS NUMBER(9):='16';

SHIPPING\_COST NUMBER(10,2);

TOTAL\_COST NUMBER(10,2);

BEGIN

IF MEMB\_STAT = 'Y' THEN

IF NUM\_ITEMS >10 THEN

SHIPPING\_COST := '7.50';

ELSIF NUM\_ITEMS BETWEEN 7 AND 10 THEN

SHIPPING\_COST := '5.00';

ELSIF NUM\_ITEMS BETWEEN 4 AND 6 THEN

SHIPPING\_COST := '3.50';

ELSE

SHIPPING\_COST := '4.00';

END IF;

TOTAL\_COST := SHIPPING\_COST \* NUM\_ITEMS;

DBMS\_OUTPUT.PUT\_LINE('SHIPING COST FOR THIS MEMEBR IS $'|| SHIPPING\_COST);

DBMS\_OUTPUT.PUT\_LINE('Total Shipping cost is $'|| TOTAL\_COST);

ELSE

IF NUM\_ITEMS >10 THEN

SHIPPING\_COST := '15.00';

ELSIF NUM\_ITEMS BETWEEN 7 AND 10 THEN

SHIPPING\_COST := '10.00';

ELSIF NUM\_ITEMS BETWEEN 4 AND 6 THEN

SHIPPING\_COST := '7.00';

ELSE

SHIPPING\_COST := '8.00';

END IF;

END IF;

TOTAL\_COST := SHIPPING\_COST \* NUM\_ITEMS;

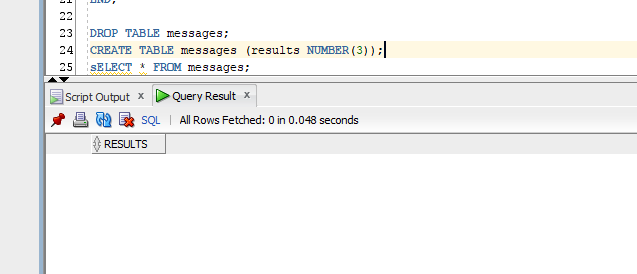
DBMS\_OUTPUT.PUT\_LINE('SHIPING COST FOR NON MEMEBR IS $'|| SHIPPING\_COST);

DBMS\_OUTPUT.PUT\_LINE('Total Shipping cost is $'|| TOTAL\_COST);

END;

Question 3:

Create table



Q3-B : plsql code

DECLARE

U\_TOTAL NUMBER(7);

BEGIN

FOR LP IN 1..10 LOOP

IF LP = 6 OR LP = 8 THEN

CONTINUE;

END IF;

INSERT INTO messages

VALUES (LP);

END LOOP;

END;

Results

