**Q.5. Create type rectangle with attributes length, breadth and member function rect\_area that returns area of the rectangle. Create table shape of rectangle type & insert record into it. Display the length, breadth and area of rectangles.**

**SQL Query:**

-- Create a user-defined type (UDT) for a rectangle

CREATE TYPE rectangle AS object(

length int,

breadth int

);

-- Create a table "shape" using the rectangle UDT

CREATE TABLE shape (

id int PRIMARY KEY,

rect rectangle

);

-- Insert records into the "shape" table

INSERT INTO shape VALUES (1,rectangle(5, 4));

INSERT INTO shape VALUES (2,rectangle(6, 3));

INSERT INTO shape VALUES (3,rectangle(7, 2));

-- Display the length, breadth, and area of rectangles

SELECT s.rect.length AS length, s.rect.breadth AS breadth, (s.rect.length \* s.rect.breadth) AS area FROM shape s;

