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;

LENGTH	BREADTH	AREA
5	4	20
6	3	18
7	2	14