**Q.3  Create a table customer with the attributes cust\_no, cust\_name, product and price. Create an ADT name\_type with the attribute fname, mname and lname to store the name details. Display the first name of the customer who purchased 'Monitor'.**

**SQL Query:**

-- Create an Abstract Data Type (ADT) for name details

CREATE TYPE name\_type AS Object(

fname VARCHAR(50),

mname VARCHAR(50),

lname VARCHAR(50)

);

-- Create the customer table with name\_type attribute

CREATE TABLE customer (

cust\_no INT PRIMARY KEY,

cust\_name name\_type,

product VARCHAR(100),

price DECIMAL(10, 2)

);

-- Insert sample data into the customer table

INSERT INTO customer VALUES(1, name\_type('John', NULL, 'Doe'), 'Monitor', 299.99);

INSERT INTO customer VALUES(2, name\_type('Alice', 'Marie', 'Smith'), 'Keyboard', 49.99);

INSERT INTO customer VALUES(3, name\_type('Bob', NULL, 'Johnson'), 'Monitor', 249.99);

INSERT INTO customer VALUES(4, name\_type('Eve', 'Sophia', 'Brown'), 'Mouse', 19.99);

-- Display the first name of the customer who purchased 'Monitor'

SELECT c.cust\_name.fname

FROM customer c

WHERE product = 'Monitor';

