

**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';
```

CUST_NAME . FNAME
John
Bob