

Consider following Relation:

Companies(comp\_id, name, cost, year)

Orders(comp\_id, domain, quantity)

Execute the following query:

1. Find names, costs, domains and quantities for companies using inner join.
2. Find names, costs, domains and quantities for companies using left outer join.
3. Find names, costs, domains and quantities for companies using right outer join.
4. Find names, costs, domains and quantities for companies using Union operator.
5. Create View View1 by selecting both tables to show company name and quantities.
6. Create View View2 by selecting any two columns and perform insert update delete operations.
7. Display content of View1, View2.

-- Create tables with constraints

```
CREATE TABLE Companies (  
    comp_id INT PRIMARY KEY,  
    name VARCHAR(255),  
    cost DECIMAL(15, 2),  
    year INT  
);
```

```
CREATE TABLE Orders (  
    comp_id INT,  
    domain VARCHAR(255),  
    quantity INT,  
    PRIMARY KEY (comp_id, domain),  
    FOREIGN KEY (comp_id) REFERENCES Companies(comp_id)  
);
```

-- Insert data into tables

-- Add data as needed

-- Queries

-- 1. Find names, costs, domains, and quantities for companies using inner join.

```
SELECT C.name, C.cost, O.domain, O.quantity  
FROM Companies C  
INNER JOIN Orders O ON C.comp_id = O.comp_id;
```

-- 2. Find names, costs, domains, and quantities for companies using left outer join.

```
SELECT C.name, C.cost, O.domain, O.quantity  
FROM Companies C  
LEFT OUTER JOIN Orders O ON C.comp_id = O.comp_id;
```

-- 3. Find names, costs, domains, and quantities for companies using right outer join.

```
SELECT C.name, C.cost, O.domain, O.quantity  
FROM Companies C  
RIGHT OUTER JOIN Orders O ON C.comp_id = O.comp_id;
```

```
-- 4. Find names, costs, domains, and quantities for companies using Union
operator.
SELECT name, cost, NULL AS domain, NULL AS quantity FROM Companies
UNION
SELECT C.name, C.cost, O.domain, O.quantity
FROM Companies C
INNER JOIN Orders O ON C.comp_id = O.comp_id;

-- 5. Create View View1 by selecting both tables to show company name and
quantities.
CREATE VIEW View1 AS
SELECT C.name AS company_name, O.quantity
FROM Companies C
LEFT JOIN Orders O ON C.comp_id = O.comp_id;

-- 6. Create View View2 by selecting any two columns and perform insert, update,
delete operations.
CREATE VIEW View2 AS
SELECT comp_id, name
FROM Companies;

-- Perform operations on View2 (insert, update, delete) as needed.

-- 7. Display content of View1, View2.
SELECT * FROM View1;
SELECT * FROM View2;
```