

1. Creating a Basic View:

-- Create a view that displays the names and salaries of employees in the 'Sales' department

```
CREATE VIEW SalesEmployees AS
SELECT first_name, last_name, salary
FROM Employees
WHERE department_id = 1;
```

2. Querying a View:

-- Retrieve data from the 'SalesEmployees' view

```
SELECT * FROM SalesEmployees;
```

3. Updating Data through a View:

-- Update the salary of an employee through the 'SalesEmployees' view

```
UPDATE SalesEmployees
SET salary = 55000
WHERE first_name = 'John' AND last_name = 'Doe';
```

4. Joining Views:

-- Create a view that joins 'Customers' and 'Orders' tables

```
CREATE VIEW CustomerOrders AS
SELECT c.customer_id, c.first_name, c.last_name, o.order_id, o.order_date
FROM Customers c
INNER JOIN Orders o ON c.customer_id = o.customer_id;
```

5. Modifying Views:

-- Modify the definition of an existing view

```
ALTER VIEW CustomerOrders
AS
SELECT c.customer_id, c.first_name, c.last_name, o.order_id, o.order_date, o.order_amount
FROM Customers c
INNER JOIN Orders o ON c.customer_id = o.customer_id;
```

6. Dropping Views:

-- Drop a view

```
DROP VIEW SalesEmployees;
```