

## 18. Restaurant Ordering System

1. Items priced above Rs.300:

```
SELECT * FROM MenuItemS WHERE Price > 300;
```

2. Orders placed on '2025-04-01':

```
SELECT * FROM Orders WHERE OrderDate = '2025-04-01';
```

3. Revenue per menu item:

```
SELECT ItemID, SUM(Price * Quantity) AS Revenue
```

```
FROM Orders
```

```
JOIN MenuItemS USING(ItemID)
```

```
GROUP BY ItemID;
```

4. Customers who ordered both Item A and B (INTERSECT):

```
SELECT CID FROM Orders WHERE ItemID = 'A'
```

```
INTERSECT
```

```
SELECT CID FROM Orders WHERE ItemID = 'B';
```

5. Customer names with ordered item names:

```
SELECT Customers.Name, MenuItemS.Name
```

```
FROM Orders
```

```
JOIN Customers USING(CID)
```

```
JOIN MenuItemS USING(ItemID);
```

## 19. Employee Leave Management

1. Employees from 'HR':

```
SELECT * FROM Employees WHERE Dept = 'HR';
```

2. Leave applications in March:

```
SELECT * FROM LeaveApplications
```

```
WHERE MONTH(LeaveDate) = 3;
```

3. Leaves taken per employee:

```
SELECT EID, COUNT(*) AS TotalLeaves
```

```
FROM LeaveApplications
```

```
GROUP BY EID;
```

4. Employees on leave in both Jan and Feb (INTERSECT):

```
SELECT EID FROM LeaveApplications WHERE MONTH(LeaveDate) = 1
```

```
INTERSECT
```

```
SELECT EID FROM LeaveApplications WHERE MONTH(LeaveDate) = 2;
```

5. Employee names with their leave details:

```
SELECT Employees.Name, LeaveApplications.LeaveDate, LeaveApplications.Reason  
FROM LeaveApplications  
JOIN Employees USING(EID);
```

## 20. NGO Donation Tracking

1. Donors who donated more than Rs.5000:

```
SELECT DonorID, SUM(Amount) AS Total  
FROM Donations  
GROUP BY DonorID  
HAVING Total > 5000;
```

2. Donations made after '2025-04-01':

```
SELECT * FROM Donations WHERE Date > '2025-04-01';
```

3. Total donations received per beneficiary:

```
SELECT BeneficiaryID, SUM(Amount) AS TotalReceived  
FROM Donations  
GROUP BY BeneficiaryID;
```

4. Donors who supported both Beneficiary A and B (INTERSECT):

```
SELECT DonorID FROM Donations WHERE BeneficiaryID = 'A'  
  
INTERSECT  
  
SELECT DonorID FROM Donations WHERE BeneficiaryID = 'B';
```

5. Donor names with donated amount and beneficiary details:

```
SELECT Donors.Name, Donations.Amount, Beneficiaries.Name AS BeneficiaryName, Beneficiaries.Cause  
FROM Donations  
JOIN Donors USING(DonorID)  
JOIN Beneficiaries USING(BeneficiaryID);
```