

Introduction to Database Project

CESD215

Section: DL2

Annual Donation Tracking System

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In a charitable organization, there are many problems that affect both the donor and the beneficiary organization. That's why we decided to design a database that helps these organisations.

Some of the problems that we focus on:

1. Lack of transparency and credibility: The inability to provide accurate reports on funds received and used may lead to the erosion of trust between the organization and donors. This may lead to a decrease in the number of donors or a cessation of support.
2. Difficulty in financial planning: If an organization cannot track annual donations, it will be difficult to prepare accurate budgets or plan future programs. This may lead to interruption or decline of activities or projects.
3. Mismanagement of resources: When donations are not properly tracked, funds may be spent inefficiently or poorly directed. This may harm the success of beneficiary projects and programmes.
4. Repeated loss of support: Donors who do not receive periodic reports on the impact of their donations or are ignored may stop providing support over time.
5. Complexity of oversight and accounting: Institutions that rely on donations are usually obligated to submit periodic reports on how funds are used. Failure to track donations may result in compliance issues with legal and regulatory requirements.

1. Donor

Donor ID:	Unique identifier for each donor.
Name:	Full name of the donor.
Address:	Donor's address.
Phone Number:	Donor's contact number.
Email:	Donor's email address.
Marital Status:	Donor's marital status.
Date of Birth:	Donor's birth date.

2. Donation

Donation ID:	Unique identifier for each donation.
Donation Type:	Type of donation (e.g., money, materials, food).
Amount/Value:	The value or amount of the donation.
Donation Date:	Date when the donation was made.
Donation Status:	Status of the donation (e.g., completed, pending).

3. Recipient

Recipient ID:	Unique identifier for each recipient.
Name:	Full name of the recipient.
Address:	Recipient's address.
Phone Number:	Recipient's contact number.
Eligibility Status:	Recipient's eligibility status for aid.

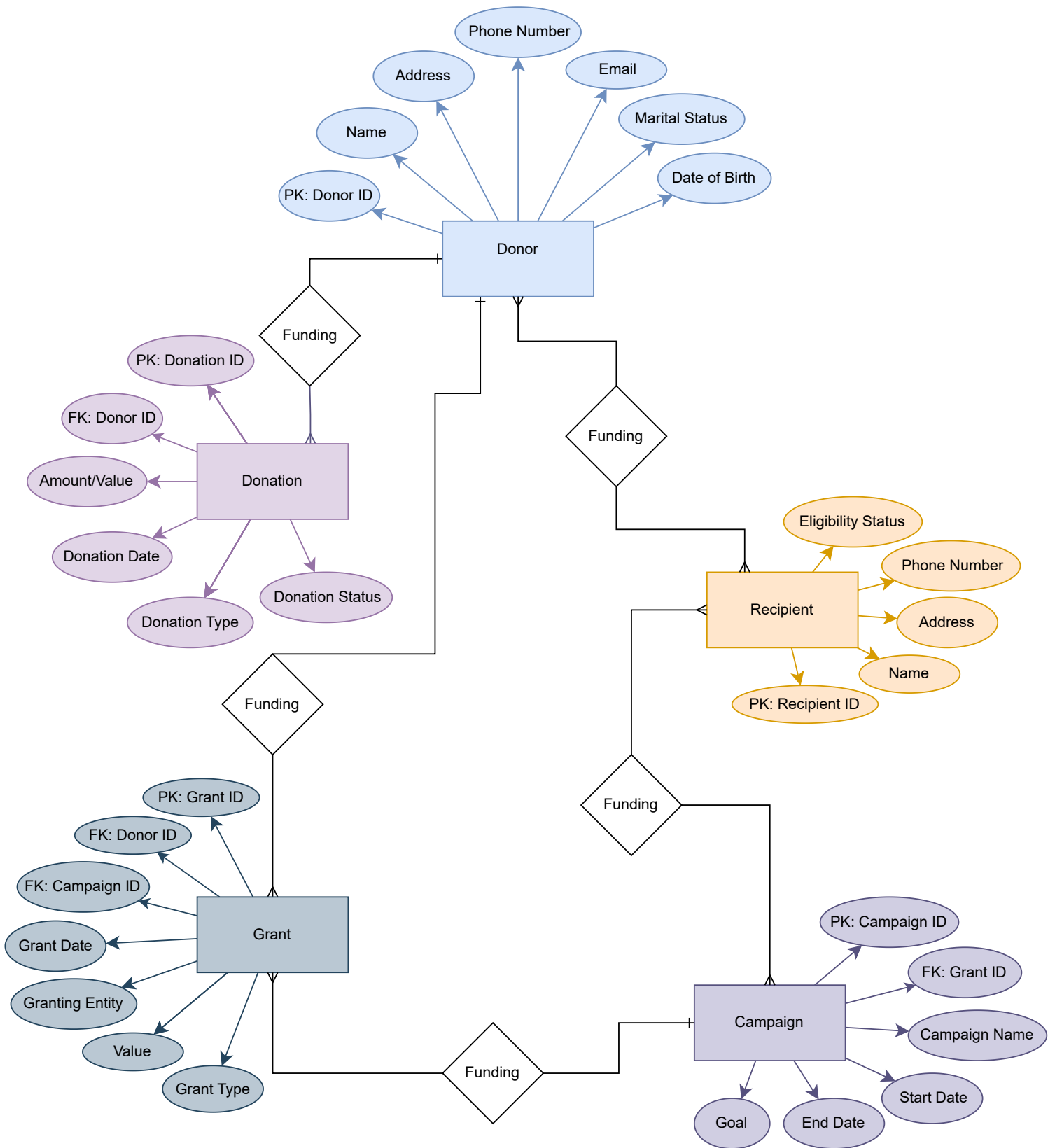
4. Campaign

Campaign ID:	Unique identifier for each campaign.
Campaign Name:	Name of the campaign.
Start Date:	Start date of the campaign.
End Date:	End date of the campaign.
Goal:	The objective or target of the campaign.

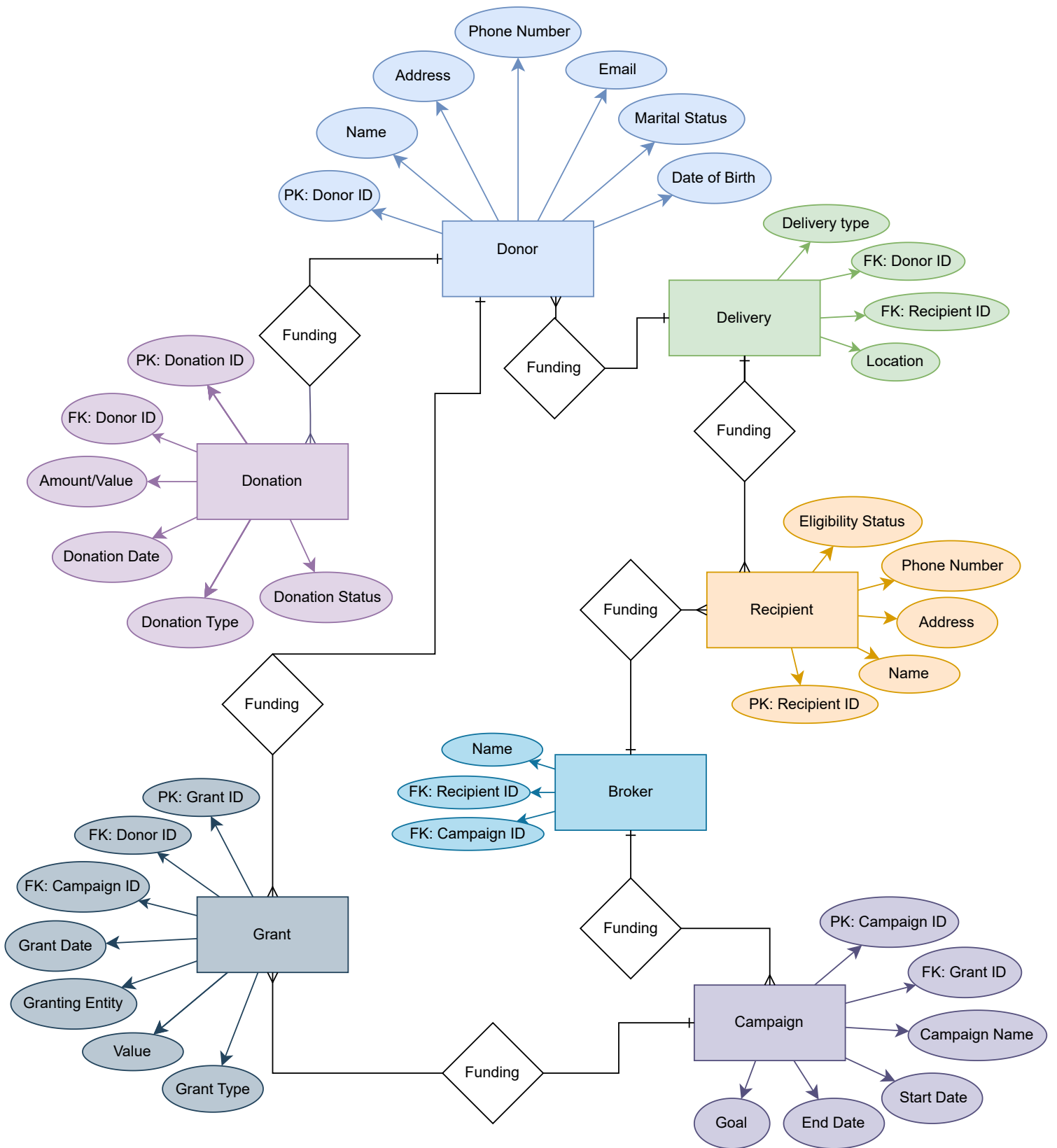
5. Grant

Grant ID:	Unique identifier for each grant.
Grant Type:	Type of grant.
Value:	The value of the grant.
Granting Entity:	The entity providing the grant.
Grant Date:	The date when the grant was awarded.

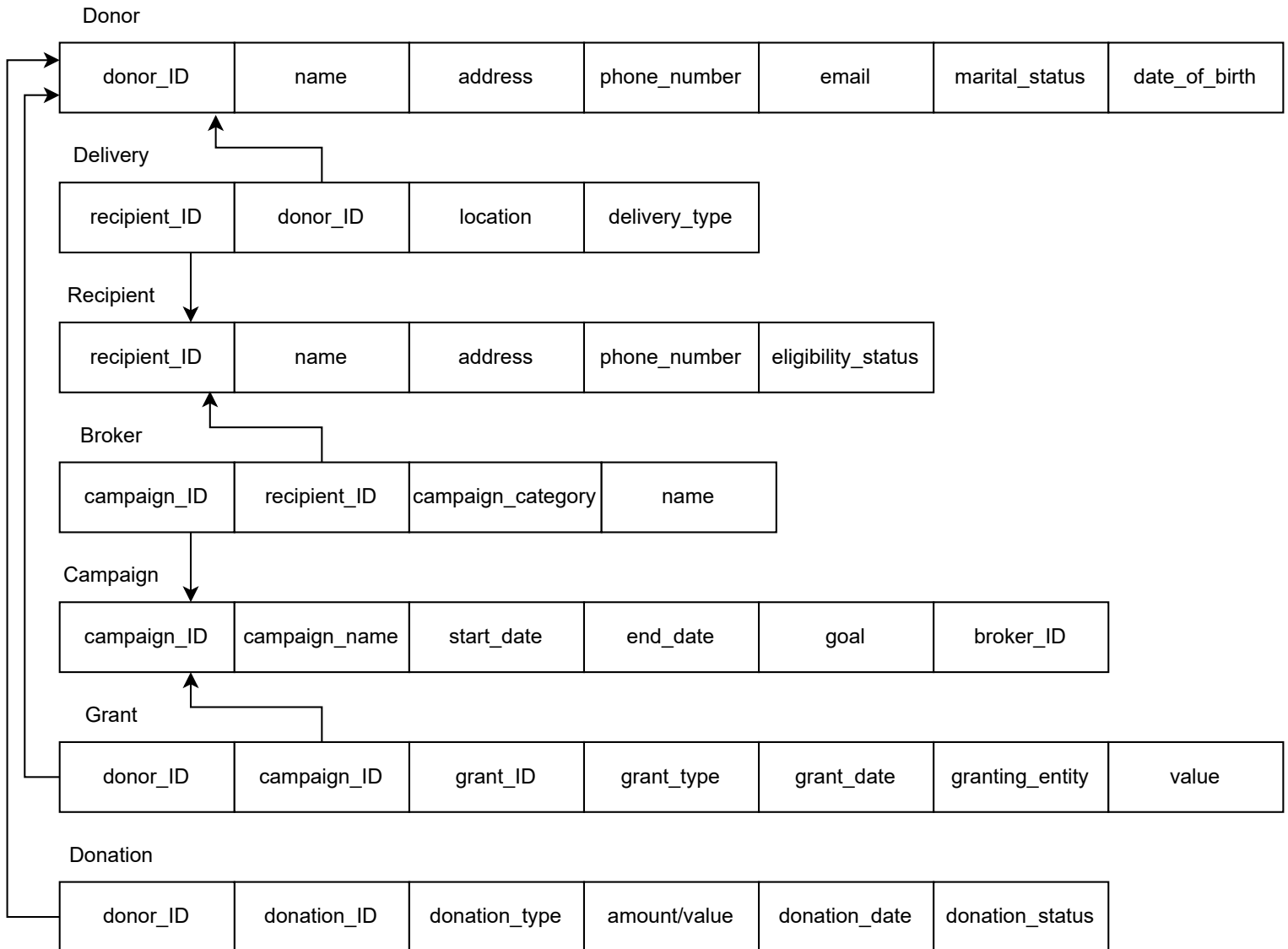
conceptual ER



ERD



Relation



SQL Code

Statement 1



```
CREATE TABLE Donor (  
    Donor_ID NUMBER(10) PRIMARY KEY,  
    Name VARCHAR2(100) NOT NULL,  
    Email VARCHAR2(100),  
    Address VARCHAR2(255),  
    Phone_Number VARCHAR2(15),  
    Marital_Status VARCHAR2(20),  
    Date_of_Birth DATE  
)
```

Table created.

Statement 2



```
CREATE TABLE Donation (  
    Donation_ID NUMBER(10) PRIMARY KEY,  
    Donor_ID NUMBER(10),  
    Donation_Type VARCHAR2(50),  
    Amount_Value NUMBER(10),  
    Donation_Date DATE,  
    Donation_Status VARCHAR2(20),  
    FOREIGN KEY (Donor_ID) REFERENCES Donor(Donor_ID)  
)
```

Table created.

Statement 3



```
CREATE TABLE Recipient (  
    Recipient_ID NUMBER(10) PRIMARY KEY,  
    Name VARCHAR2(100),  
    Address VARCHAR2(255),  
    Phone_Number VARCHAR2(15),  
    Eligibility_Status VARCHAR2(50)  
)
```

Table created.

Statement 4



```
CREATE TABLE Delivery (  
    Delivery_ID NUMBER(10) PRIMARY KEY,  
    Donor_ID NUMBER(10),  
    Recipient_ID NUMBER(10),  
    Location VARCHAR2(255),  
    Delivery_Type VARCHAR2(50),  
    FOREIGN KEY (Donor_ID) REFERENCES Donor(Donor_ID),  
    FOREIGN KEY (Recipient_ID) REFERENCES Recipient(Recipient_ID)  
)
```

Table created.




























Statement 5

































```
CREATE TABLE Campaign (  
    Campaign_ID NUMBER(10) PRIMARY KEY,  
    Campaign_Name VARCHAR2(100) NOT NULL,  
    Goal NUMBER(10),  
    Start_Date DATE,  
    End_Date DATE,  
    Broker_ID NUMBER(10)  
)
```

Table created.

Statement 6 <div> <div></div> <div></div> <div></div> </div>	<pre>CREATE TABLE Broker (Broker_ID NUMBER(5) PRIMARY KEY, Name VARCHAR2(100))</pre> <p>Table created.</p>
Statement 7 <div> <div></div> <div></div> <div></div> </div>	<pre>CREATE TABLE Campaign_Category (Category_ID NUMBER(10) PRIMARY KEY, Campaign_ID NUMBER(10), Category_Name VARCHAR2(100), FOREIGN KEY (Campaign_ID) REFERENCES Campaign(Campaign_ID))</pre> <p>Table created.</p>
Statement 8 <div> <div></div> <div></div> <div></div> </div>	<pre>CREATE TABLE DonorGrant (Grant_ID NUMBER(10) PRIMARY KEY, Donor_ID NUMBER(10), Grant_Type VARCHAR2(50), Value NUMBER(10), Granting_Entity VARCHAR2(100), Grant_Date DATE, FOREIGN KEY (Donor_ID) REFERENCES Donor(Donor_ID))</pre> <p>Table created.</p>
Statement 9 <div> <div></div> <div></div> <div></div> </div>	<pre>INSERT INTO Donor (Donor_ID, Name, Email, Address, Phone_Number, Marital_Status, Date_of_Birth) VALUES (101, 'Ahmed Al-Shehri', 'ahmed.shehri@example.com', 'Riyadh, Saudi Arabia', '0501234567', 'Single', TO_DATE('1990-02-25', 'YYYY-MM-DD'))</pre> <p>1 row(s) inserted.</p>
Statement 10 <div> <div></div> <div></div> <div></div> </div>	<pre>INSERT INTO Donor (Donor_ID, Name, Email, Address, Phone_Number, Marital_Status, Date_of_Birth) VALUES (102, 'Sara Al-Fahad', 'sara.fahad@example.com', 'Jeddah, Saudi Arabia', '0551237890', 'Married', TO_DATE('1985-10-14', 'YYYY-MM-DD'))</pre> <p>1 row(s) inserted.</p>
Statement 11 <div> <div></div> <div></div> <div></div> </div>	<pre>INSERT INTO Donor (Donor_ID, Name, Email, Address, Phone_Number, Marital_Status, Date_of_Birth) VALUES (103, 'Faisal Al-Qahtani', 'faisal.qahtani@example.com', 'Dammam, Saudi Arabia', '0531234567', 'Single', TO_DATE('1995-05-21', 'YYYY-MM-DD'))</pre> <p>1 row(s) inserted.</p>
Statement 12 <div> <div></div> <div></div> <div></div> </div>	<pre>INSERT INTO Donor (Donor_ID, Name, Email, Address, Phone_Number, Marital_Status, Date_of_Birth) VALUES (104, 'Layla Al-Ahmadi', 'layla.ahmadi@example.com', 'Abha, Saudi Arabia', '0541237890', 'Married', TO_DATE('1992-08-30', 'YYYY-MM-DD'))</pre> <p>1 row(s) inserted.</p>
Statement 13 <div> <div></div> <div></div> <div></div> </div>	<pre>INSERT INTO Donor (Donor_ID, Name, Email, Address, Phone_Number, Marital_Status, Date_of_Birth) VALUES (105, 'Omar Al-Zahrani', 'omar.zahrani@example.com', 'Taif, Saudi Arabia', '0569871234', 'Divorced', TO_DATE('1988-11-12', 'YYYY-MM-DD'))</pre> <p>1 row(s) inserted.</p>

Statement 14   	<pre>INSERT INTO Donation (Donation_ID, Donor_ID, Donation_Type, Amount_Value, Donation_Date, Donation_Status) VALUES (201, 101, 'Cash', 5000, TO_DATE('2023-01-15', 'YYYY-MM-DD'), 'Completed')</pre> <p>1 row(s) inserted.</p>
Statement 15   	<pre>INSERT INTO Donation (Donation_ID, Donor_ID, Donation_Type, Amount_Value, Donation_Date, Donation_Status) VALUES (202, 102, 'Clothes', 1000, TO_DATE('2023-02-20', 'YYYY-MM-DD'), 'Pending')</pre> <p>1 row(s) inserted.</p>
Statement 16   	<pre>INSERT INTO Donation (Donation_ID, Donor_ID, Donation_Type, Amount_Value, Donation_Date, Donation_Status) VALUES (203, 103, 'Food', 200, TO_DATE('2023-03-10', 'YYYY-MM-DD'), 'Completed')</pre> <p>1 row(s) inserted.</p>
Statement 17   	<pre>INSERT INTO Donation (Donation_ID, Donor_ID, Donation_Type, Amount_Value, Donation_Date, Donation_Status) VALUES (204, 104, 'Electronics', 3000, TO_DATE('2023-04-05', 'YYYY-MM-DD'), 'Pending')</pre> <p>1 row(s) inserted.</p>
Statement 18   	<pre>INSERT INTO Donation (Donation_ID, Donor_ID, Donation_Type, Amount_Value, Donation_Date, Donation_Status) VALUES (205, 105, 'Cash', 7000, TO_DATE('2023-05-22', 'YYYY-MM-DD'), 'Completed')</pre> <p>1 row(s) inserted.</p>
Statement 19   	<pre>INSERT INTO Recipient (Recipient_ID, Name, Address, Phone_Number, Eligibility_Status) VALUES (301, 'Khaled Al-Mansour', 'Mecca, Saudi Arabia', '0558765432', 'Eligible')</pre> <p>1 row(s) inserted.</p>
Statement 20   	<pre>INSERT INTO Recipient (Recipient_ID, Name, Address, Phone_Number, Eligibility_Status) VALUES (302, 'Noor Al-Bishi', 'Jizan, Saudi Arabia', '0561234567', 'Eligible')</pre> <p>1 row(s) inserted.</p>
Statement 21   	<pre>INSERT INTO Recipient (Recipient_ID, Name, Address, Phone_Number, Eligibility_Status) VALUES (303, 'Yusuf Al-Harbi', 'Al-Khobar, Saudi Arabia', '0557654321', 'Eligible')</pre> <p>1 row(s) inserted.</p>
Statement 22   	<pre>INSERT INTO Recipient (Recipient_ID, Name, Address, Phone_Number, Eligibility_Status) VALUES (304, 'Maha Al-Farsi', 'Tabuk, Saudi Arabia', '0546781234', 'Pending')</pre> <p>1 row(s) inserted.</p>
Statement 23   	<pre>INSERT INTO Recipient (Recipient_ID, Name, Address, Phone_Number, Eligibility_Status) VALUES (305, 'Ali Al-Rashid', 'Najran, Saudi Arabia', '0536547890', 'Eligible')</pre> <p>1 row(s) inserted.</p>

Statement 24   	<pre>INSERT INTO Delivery (Delivery_ID, Donor_ID, Recipient_ID, Location, Delivery_Type) VALUES (401, 101, 301, 'Riyadh', 'Courier')</pre> <p>1 row(s) inserted.</p>
Statement 25   	<pre>INSERT INTO Delivery (Delivery_ID, Donor_ID, Recipient_ID, Location, Delivery_Type) VALUES (402, 102, 302, 'Jeddah', 'Courier')</pre> <p>1 row(s) inserted.</p>
Statement 26   	<pre>INSERT INTO Delivery (Delivery_ID, Donor_ID, Recipient_ID, Location, Delivery_Type) VALUES (403, 103, 303, 'Dammam', 'Personal Delivery')</pre> <p>1 row(s) inserted.</p>
Statement 27   	<pre>INSERT INTO Delivery (Delivery_ID, Donor_ID, Recipient_ID, Location, Delivery_Type) VALUES (404, 104, 304, 'Abha', 'Courier')</pre> <p>1 row(s) inserted.</p>
Statement 28   	<pre>INSERT INTO Delivery (Delivery_ID, Donor_ID, Recipient_ID, Location, Delivery_Type) VALUES (405, 105, 305, 'Taif', 'Courier')</pre> <p>1 row(s) inserted.</p>
Statement 29   	<pre>INSERT INTO Broker (Broker_ID, Name) VALUES (1, 'Mohammed Al-Fouzan')</pre> <p>1 row(s) inserted.</p>
Statement 30   	<pre>INSERT INTO Broker (Broker_ID, Name) VALUES (2, 'Huda Al-Mansouri')</pre> <p>1 row(s) inserted.</p>
Statement 31   	<pre>INSERT INTO Broker (Broker_ID, Name) VALUES (3, 'Khalid Al-Otaibi')</pre> <p>1 row(s) inserted.</p>
Statement 32   	<pre>INSERT INTO Broker (Broker_ID, Name) VALUES (4, 'Fatima Al-Rajhi')</pre> <p>1 row(s) inserted.</p>
Statement 33   	<pre>INSERT INTO Broker (Broker_ID, Name) VALUES (5, 'Salem Al-Qahtani')</pre> <p>1 row(s) inserted.</p>

```
INSERT INTO Campaign (Campaign_ID, Campaign_Name, Goal, Start_Date, End_Date, Broker_ID)
VALUES (501, 'Winter Clothes Drive', 10000, TO_DATE('2023-10-01', 'YYYY-MM-DD'), TO_DATE('2023-12-31', 'YYYY-MM-DD'), 1)
```

1 row(s) inserted.

Statement 35

```
INSERT INTO Campaign (Campaign_ID, Campaign_Name, Goal, Start_Date, End_Date, Broker_ID)
VALUES (502, 'Food for All', 20000, TO_DATE('2023-09-01', 'YYYY-MM-DD'), TO_DATE('2023-11-30', 'YYYY-MM-DD'), 2)
```

1 row(s) inserted.

Statement 36

```
INSERT INTO Campaign (Campaign_ID, Campaign_Name, Goal, Start_Date, End_Date, Broker_ID)
VALUES (503, 'Education Fundraiser', 30000, TO_DATE('2023-08-01', 'YYYY-MM-DD'), TO_DATE('2024-01-31', 'YYYY-MM-DD'), 3)
```

1 row(s) inserted.

Statement 37

```
INSERT INTO Campaign (Campaign_ID, Campaign_Name, Goal, Start_Date, End_Date, Broker_ID)
VALUES (504, 'Medical Aid Support', 15000, TO_DATE('2023-11-01', 'YYYY-MM-DD'), TO_DATE('2024-02-28', 'YYYY-MM-DD'), 4)
```

1 row(s) inserted.

Statement 38

```
INSERT INTO Campaign (Campaign_ID, Campaign_Name, Goal, Start_Date, End_Date, Broker_ID)
VALUES (505, 'Clean Water Initiative', 25000, TO_DATE('2023-07-15', 'YYYY-MM-DD'), TO_DATE('2023-12-15', 'YYYY-MM-DD'), 5)
```

1 row(s) inserted.

Statement 39

```
SELECT
    Donor.Name AS DonorName,
    Donor.Email AS DonorEmail,
    Donation.Donation_Type AS DonationType,
    Donation.Amount_Value AS DonationAmount,
    Donation.Donation_Date AS DonationDate,
    Donation.Donation_Status AS DonationStatus
FROM
    Donation
INNER JOIN
    Donor
ON
    Donation.Donor_ID = Donor.Donor_ID
```

DONORNAME	DONOREMAIL	DONATIONTYPE	DONATIONAMOUNT	DONATIONDATE	DONATIONSTATUS
Ahmed Al-Shehri	ahmed.shehri@example.com	Cash	5000	15-JAN-23	Completed
Sara Al-Fahad	sara.fahad@example.com	Clothes	1000	20-FEB-23	Pending
Faisal Al-Qahtani	faisal.qahtani@example.com	Food	200	10-MAR-23	Completed
Layla Al-Ahmadi	layla.ahmadi@example.com	Electronics	3000	05-APR-23	Pending
Omar Al-Zahrani	omar.zahrani@example.com	Cash	7000	22-MAY-23	Completed

Download CSV

5 rows selected.

Statement 40



```
SELECT
  Delivery.Delivery_ID AS Delivery_ID,
  Donor.Name AS DonorName,
  Recipient.Name AS RecipientName,
  Delivery.Location AS DeliveryLocation,
  Delivery.Delivery_Type AS DeliveryType
FROM
  Delivery
INNER JOIN
  Donor
ON
  Delivery.Donor_ID = Donor.Donor_ID
INNER JOIN
  Recipient
ON
  Delivery.Recipient_ID = Recipient.Recipient_ID
```

DELIVERY_ID	DONORNAME	RECIPIENTNAME	DELIVERYLOCATION	DELIVERYTYPE
401	Ahmed Al-Shehri	Khaled Al-Mansour	Riyadh	Courier
402	Sara Al-Fahad	Noor Al-Bishi	Jeddah	Courier
403	Faisal Al-Qahtani	Yusuf Al-Harbi	Dammam	Personal Delivery
404	Layla Al-Ahmadi	Maha Al-Farsi	Abha	Courier
405	Omar Al-Zahrani	Ali Al-Rashid	Taif	Courier

[Download CSV](#)

5 rows selected.

Statement 41



```
SELECT Donor_ID, Name, Email, Address, Phone_Number, Marital_Status, Date_of_Birth
FROM Donor
ORDER BY Name
```

DONOR_ID	NAME	EMAIL	ADDRESS	PHONE_NUMBER	MARITAL_STATUS	DATE_OF_BIRTH
101	Ahmed Al-Shehri	ahmed.shehri@example.com	Riyadh, Saudi Arabia	0501234567	Single	25-FEB-90
103	Faisal Al-Qahtani	faisal.qahtani@example.com	Dammam, Saudi Arabia	0531234567	Single	21-MAY-95
104	Layla Al-Ahmadi	layla.ahmadi@example.com	Abha, Saudi Arabia	0541237890	Married	30-AUG-92
105	Omar Al-Zahrani	omar.zahrani@example.com	Taif, Saudi Arabia	0569871234	Divorced	12-NOV-88
102	Sara Al-Fahad	sara.fahad@example.com	Jeddah, Saudi Arabia	0551237890	Married	14-OCT-85

[Download CSV](#)

5 rows selected.

Statement 42



```
SELECT Donation_ID, Donor_ID, Donation_Type, Amount_Value, Donation_Date, Donation_Status
FROM Donation
ORDER BY Donation_Date DESC
```

DONATION_ID	DONOR_ID	DONATION_TYPE	AMOUNT_VALUE	DONATION_DATE	DONATION_STATUS
205	105	Cash	7000	22-MAY-23	Completed
204	104	Electronics	3000	05-APR-23	Pending
203	103	Food	200	10-MAR-23	Completed
202	102	Clothes	1000	20-FEB-23	Pending
201	101	Cash	5000	15-JAN-23	Completed

[Download CSV](#)

5 rows selected.

Statement 43



```
SELECT Name, Email, Phone_Number FROM Donor
WHERE Donor_ID = (SELECT Donor_ID FROM Donation WHERE Donation_ID = 201)
```

NAME	EMAIL	PHONE_NUMBER
Ahmed Al-Shehri	ahmed.shehri@example.com	0501234567

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Statement 44



```
SELECT
  Donation_Type,
  COUNT(Donation_ID) AS TotalDonations,
  SUM(Amount_Value) AS TotalAmount
FROM
  Donation
GROUP BY
  Donation_Type
ORDER BY
  TotalAmount DESC
```

DONATION_TYPE	TOTALDONATIONS	TOTALAMOUNT
Cash	2	12000
Electronics	1	3000
Clothes	1	1000
Food	1	200

[Download CSV](#)

4 rows selected.

Statement 45



```
CREATE OR REPLACE PROCEDURE GetDonationsByType (
    p_DonationType IN VARCHAR2
)
AS
    CURSOR donation_cursor IS
        SELECT
            d.Donation_ID,
            d.Amount_Value,
            donor.Name AS Donor_Name,
            d.Donation_date,
            d.Donation_Status
        FROM
            Donation d
        JOIN
            Donor donor ON d.Donor_ID = donor.Donor_ID
        WHERE
            d.Donation_type = p_DonationType;
BEGIN
    DBMS_OUTPUT.PUT_LINE('Fitching donations of type: ' || p_DonationType);
    DBMS_OUTPUT.PUT_LINE('-----');

    FOR record IN donation_cursor LOOP
        DBMS_OUTPUT.PUT_LINE('Donation ID: ' || record.Donation_ID || ', Amount: ' || record.Amount_Value || ', Donor: ' || record.Donor_Name ||
            ', Date: ' || TO_CHAR(record.Donation_Date, 'YYYY-MM-DD') || ', Status: ' || record.Donation_Status);
    END LOOP;
END;
```

Procedure created.

Statement 46



```
EXEC GetDonationsByType('cash')
```

Statement processed.
Fitching donations of type: cash

Statement 47



```
CREATE OR REPLACE PROCEDURE GetAllDonors
AS
    CURSOR donor_cursor IS
        SELECT
            Donor_ID,
            Name,
            Email,
            Address,
            Phone_Number,
            Marital_Status,
            TO_CHAR(Date_of_Birth, 'YYYY-MM-DD') AS Date_of_Birth
        FROM
            Donor;
BEGIN
    DBMS_OUTPUT.PUT_LINE('Feching all donors...');
    DBMS_OUTPUT.PUT_LINE('-----');

    FOR record IN donor_cursor LOOP
        DBMS_OUTPUT.PUT_LINE('Donor ID: ' || record.Donor_ID || ', Name: ' || record.Name || ', Email: ' || NVL(record.Email, 'N/A') ||
            ', Address: ' || NVL(record.Address, 'N/A') || ', Phone: ' || NVL(record.Phone_Number, 'N/A') || ', Marital Status: ' || NVL(record.Marital_Status, 'N/A') ||
            ', Date of Birth: ' || NVL(record.Date_of_Birth, 'N/A'));
    END LOOP;
END;
```

Procedure created.

Statement 48



```
EXEC GetAllDonors
```

Statement processed.
Feching all donors...

Donor ID: 101, Name: Ahmed Al-Shehri, Email: ahmed.shehri@example.com, Address: Riyadh, Saudi Arabia, Phone: 0501234567, Marital Status: Single, Date of Birth: 1990-02-25
Donor ID: 102, Name: Sara Al-Fahad, Email: sara.fahad@example.com, Address: Jeddah, Saudi Arabia, Phone: 0551237890, Marital Status: Married, Date of Birth: 1985-10-14
Donor ID: 103, Name: Faisal Al-Qahtani, Email: faisal.qahtani@example.com, Address: Dammam, Saudi Arabia, Phone: 0531234567, Marital Status: Single, Date of Birth: 1995-05-21
Donor ID: 104, Name: Layla Al-Ahmadi, Email: layla.ahmadi@example.com, Address: Abha, Saudi Arabia, Phone: 0541237890, Marital Status: Married, Date of Birth: 1992-08-30
Donor ID: 105, Name: Omar Al-Zahrani, Email: omar.zahrani@example.com, Address: Taif, Saudi Arabia, Phone: 0569871234, Marital Status: Divorced, Date of Birth: 1988-11-12

Statement 49



```
CREATE OR REPLACE PROCEDURE GetInPersonDeliveries
AS
    CURSOR delivery_cursor IS
        SELECT
            d.Delivery_ID,
            donor.Name AS Donor_Name,
            recipient.Name AS Recipient_Name,
            d.Location
        FROM
            Delivery d
        JOIN
            Donor donor ON d.Donor_ID = donor.Donor_ID
        JOIN
            Recipient recipient ON d.Recipient_ID = recipient.Recipient_ID
        WHERE
            d.Delivery_Type = 'In-Person';
BEGIN
    DBMS_OUTPUT.PUT_LINE('Fetching deliveries with type: In-Person...');
    DBMS_OUTPUT.PUT_LINE('-----');

    FOR record IN delivery_cursor LOOP
        DBMS_OUTPUT.PUT_LINE('Delivery ID: ' || record.Delivery_ID || ', Donor: ' || record.Donor_Name || ', Recipient Name ' || record.Recipient_Name ||
            ', Location: ' || record.Location);
    END LOOP;
END;
```

Procedure created.

Statement 50



EXEC GetInPersonDeliveries

Statement processed.
Fetching deliveries with type: In-Person...

Statement 51






```
CREATE OR REPLACE PROCEDURE GetAllCampaigns
AS
    CURSOR campaign_cursor IS
        SELECT
            Campaign_ID,
            Campaign_Name,
            Goal,
            TO_CHAR(Start_Date, 'YYYY-MM-DD') AS Start_Date,
            TO_CHAR(End_Date, 'YYYY-MM-DD') AS End_Date,
            NVL(TO_CHAR(Broken_ID), 'N/A') AS Broken_ID
        FROM
            Campaign;
BEGIN
    DBMS_OUTPUT.PUT_LINE('Fetching all campaigns...');
    DBMS_OUTPUT.PUT_LINE('-----');

    FOR record IN campaign_cursor LOOP
        DBMS_OUTPUT.PUT_LINE('Campaign ID: ' || record.Campaign_ID || ', Name: ' || record.Campaign_Name || ', Goal: ' || record.Goal ||
            ', Start Date: ' || record.Start_Date || ', End Date: ' || record.End_Date || ', Broken ID: ' || NVL(record.Broken_ID, 'N/A'));
    END LOOP;
END;
```

Procedure created.

Statement 52	<div>EXEC GetAllCampaigns</div> <div>Statement processed. Fetching all campaigns...</div> <div>Campaign ID: 501, Name: Winter Clothes Drive, Goal: 10000, Start Date: 2023-10-01, End Date: 2023-12-31, Broker ID: 1 Campaign ID: 502, Name: Food for All, Goal: 20000, Start Date: 2023-09-01, End Date: 2023-11-30, Broker ID: 2 Campaign ID: 503, Name: Education Fundraiser, Goal: 30000, Start Date: 2023-08-01, End Date: 2024-01-31, Broker ID: 3 Campaign ID: 504, Name: Medical Aid Support, Goal: 15000, Start Date: 2023-11-01, End Date: 2024-02-28, Broker ID: 4 Campaign ID: 505, Name: Clean Water Initiative, Goal: 25000, Start Date: 2023-07-15, End Date: 2023-12-15, Broker ID: 5</div>
Statement 53	<div>CREATE OR REPLACE PROCEDURE UpdateDonorInfo (p_Donor_ID IN NUMBER, p_Name IN VARCHAR2, p_Email IN VARCHAR2, p_Phone_Number IN VARCHAR2) AS BEGIN UPDATE Donor SET Name = p_Name, Email = p_Email, Phone_Number = p_Phone_Number WHERE Donor_ID = p_Donor_ID; DBMS_OUTPUT.PUT_LINE('Donor information updated for ID: ' p_Donor_ID); END;</div> <div>Procedure created.</div>
Statement 54	<div>BEGIN UpdateDonorInfo(p_Donor_ID => 101, p_Name => 'Ahmed Al-Shehri Updated', p_Email => 'ahmed.shehri.updated@example.com', p_Phone_Number => '0509876543'); END;</div> <div>Statement processed. Donor information updated for ID: 101</div>

Statement 55






```
SELECT MIN (Donor_ID) from Donor
```

MIN(DONOR_ID)
101

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Statement 56






```
SELECT MAX (Donor_ID) from Donor
```

MAX(DONOR_ID)
105

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Statement 57






```
SELECT COUNT (Donor_ID) from Donor
```

COUNT(DONOR_ID)
5

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Statement 58






```
SELECT AVG (Amount_Value) from Donation
```

AVG(AMOUNT_VALUE)
3240

Download CSV

Statement 59



```
SELECT SUM (Amount_Value) from Donation
```

SUM(AMOUNT_VALUE)
16200

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