

Date : 8<sup>th</sup> Feb 2024  
16010122323

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CREATE TABLE DONOR (  
    DONOR_ID INT NOT NULL,  
    DONOR_NAME VARCHAR(50) NOT NULL,  
    PASSKEY VARCHAR(16) NOT NULL,  
    DONATION_HISTORY INTEGER,  
    PHONE_NUMBER VARCHAR(10),  
    EMAIL VARCHAR(30),  
    PRIMARY KEY (DONOR_ID)  
);  
INSERT INTO DONOR VALUES(01, 'JIYA', 'jiya123', 2000, '8282828282', 'jiya@gmail.com');  
INSERT INTO DONOR VALUES (02, 'Rahul', 'rahul456', 1500, '7878787878',  
'rahul@gmail.com');  
INSERT INTO DONOR VALUES (03, 'Aisha', 'aisha789', 3000, '9090909091',  
'aisha@gmail.com');
```

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CREATE TABLE NGO (  
    NGO_ID INT NOT NULL,  
    NGO_NAME VARCHAR(50) NOT NULL,  
    ADDRESS VARCHAR(100) NOT NULL,  
    DONATION_RECIEVED INTEGER,  
    PHONE_NUMBER VARCHAR(10),  
    EMAIL VARCHAR(30),  
    DONOR_ID INT NOT NULL,  
    PRIMARY KEY (NGO_ID),  
    FOREIGN KEY (DONOR_ID) REFERENCES DONOR  
);  
INSERT INTO NGO VALUES(01, 'ROBIN HOOD ARMY', 'MUMBAI', 50000, 9090909090,  
'robinhood@gmail.com', 01);  
INSERT INTO NGO VALUES (02, 'Greenpeace', 'New Delhi', 200000, '8080808080',  
'greenpeace@gmail.com', 02);  
INSERT INTO NGO VALUES (03, 'CARE India', 'Kolkata', 100000, '7070707070',  
'careindia@gmail.com', 03);
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CREATE TABLE VOLUNTEER (  
    VOLUNTEER_ID INT NOT NULL,  
    VOLUNTEER_NAME VARCHAR(50) NOT NULL,  
    GENDER CHAR(1),  
    ASSIGNED_TASK VARCHAR(30),  
    PHONE_NUMBER VARCHAR(10),
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        EMAIL VARCHAR(30),
        NGO_ID INT,
        PRIMARY KEY (VOLUNTEER_ID),
        FOREIGN KEY (NGO_ID) REFERENCES NGO
    );
INSERT INTO VOLUNTEER VALUES(01, 'Kartik', 'M', 'Food drive', '7282828282',
'kartik@gmail.com', 01);
INSERT INTO VOLUNTEER VALUES (02, 'Sara', 'F', 'Tree Plantation', '8888888888',
'sara@gmail.com', 02);
INSERT INTO VOLUNTEER VALUES (03, 'Raj', 'M', 'Education Program', '9999999999',
'raj@gmail.com', 03);

CREATE TABLE TASK (
    TASK_ID INT NOT NULL,
    STATUS VARCHAR(20) CHECK (STATUS IN ('Assigned', 'Not assigned')),
    DESCRIPTION VARCHAR(100),
    VOLUNTEER_ID INT NOT NULL,
    FOREIGN KEY (VOLUNTEER_ID) REFERENCES VOLUNTEER
);
INSERT INTO TASK VALUES(01, 'Assigned', 'Food distribution to the homeless in mumbai', 01)

SELECT * FROM DONOR;
SELECT * FROM NGO;
SELECT * FROM VOLUNTEER;

UPDATE VOLUNTEER SET GENDER = 'F'
WHERE VOLUNTEER_ID = 01

DELETE FROM DONOR
WHERE DONOR_ID = 02

SELECT NGO_ID, NGO_NAME, SUM(DONATION_RECIEVED) AS TOTAL_DONATION
FROM NGO
GROUP BY NGO_ID, NGO_NAME;

SELECT D.DONOR_ID, D.DONOR_NAME, T.TASK_ID, T.DESCRPTION
FROM DONOR D
LEFT JOIN VOLUNTEER V ON D.DONOR_ID = V.NGO_ID
LEFT JOIN TASK T ON V.VOLUNTEER_ID = T.VOLUNTEER_ID;

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	donor_id [PK] integer	donor_name character varying (50)	passkey character varying (16)	donation_history integer	phone_number character varying (10)	email character varying (30)
1	1	JIYA	jiya123	2000	8282828282	jiya@gmail.com
2	2	Rahul	rahul456	1500	7878787878	rahul@gmail.com
3	3	Aisha	aisha789	3000	9090909091	aisha@gmail.com

	ngo_id [PK] integer	ngo_name character varying (50)	address character varying (100)	donation_recieved integer	phone_number character varying (10)	email character varying (30)	donor_id integer
1	1	ROBIN HOOD ARMY	MUMBAI	50000	9090909090	robinhood@gmail.com	1
2	2	Greenpeace	New Delhi	200000	8080808080	greenpeace@gmail.com	2
3	3	CARE India	Kolkata	100000	7070707070	careindia@gmail.com	3

	volunteer_id [PK] integer	volunteer_name character varying (50)	gender character (1)	assigned_task character varying (30)	phone_number character varying (10)	email character varying (30)	ngo_id integer
1	1	Kartik	F	Food drive	7282828282	kartik@gmail.com	1
2	2	Sara	F	Tree Plantation	8888888888	sara@gmail.com	2
3	3	Raj	M	Education Program	9999999999	raj@gmail.com	3

	ngo_id [PK] integer	ngo_name character varying (50)	total_donation bigint
1	3	CARE India	100000
2	2	Greenpeace	200000
3	1	ROBIN HOOD ARMY	50000

	donor_id integer	donor_name character varying (50)	task_id integer	description character varying (100)
1	1	JIYA	1	Food distribution to the homeless in mumbai
2	2	Rahul	[null]	[null]
3	3	Aisha	[null]	[null]