WEDDING GUEST LIST MANAGEMENT SYSTEM

Name: Heet Mehta

Roll no.: 177

Subject: DBMS

Enroll no.: 22002171310055

❖ Creation of Tables:

1. Groom_guests Table:

```
CREATE TABLE groom_guests (

  id int PRIMARY KEY,

  name VARCHAR(50) NOT NULL,

  phone_no VARCHAR(15),

  city VARCHAR(20),

  number_of_guests int,  relation_with_groom VARCHAR(30),

  rsvp_response CHAR(1), -- Y: Yes, N: No, U: Undecided

  transportation_details VARCHAR(50) );
```

2. Bride_guests Table:

```
CREATE TABLE bride_guests

AS SELECT * FROM groom_guests;
```

3. Accommodations Table:

```
CREATE TABLE accommodations (

  id INT, name VARCHAR(50),

  number_of_guests INT,

  check_in_date DATE,

  check_out_date DATE,

  guest_of CHAR);
```

❖ Insertion in Tables:

1. Insert data into the groom_guests table:

INSERT INTO groom_guests VALUES

(1, 'Amit Sharma', '9876543210', 'Ahmedabad', 2, 'Close Family', 'Y', 'Car'),

(2, 'Deepak Patel', '9988776655', 'Surat', 1, 'Close Family', 'Y', 'Car'),

(3, 'Preeti Gupta', '9871234567', 'Mumbai', 0, 'Family Friend', 'N', NULL),

(4, 'Anita Singh', '9876543211', 'Chennai', 3, 'Close Family', 'Y', 'Flight'),

(5, 'Vikram Joshi', '9988776656', 'Ahmedabad', 2, 'Friend', 'Y', 'Car'),

(6, 'Sneha Mishra', '9871234568', 'Surat', 0, 'Family Friend', 'N', NULL),

(7, 'Amit Patel', '9876543212', 'Mumbai', 1, 'Friend', 'Y', 'Bus'),

(8, 'Neha Reddy', '9988776657', 'Ahmedabad', 2, 'Friend', 'Y', 'Car'),

(9, 'Kiran Kapoor', '9871234569', 'Surat', 0, 'Family Friend', 'N', NULL),

(10, 'Sanjay Verma', '9876543213', 'Chennai', 2, 'Close Family', 'Y', 'Train'),

(11, 'Rahul Kumar', '9988776658', 'Ahmedabad', 1, 'Friend', 'Y', 'Car'),

(12, 'Aparna Singh', '9871234570', 'Mumbai', 0, 'Family Friend', 'N', NULL),

(13, 'Sarita Sharma', '9876543214', 'Surat', 3, 'Colleague', 'Y', 'Car'),

(14, 'Rajat Gupta', '9988776659', 'Chennai', 2, 'Close Family', 'Y', 'Flight'),

(15, 'Anjali Joshi', '9871234571', 'Ahmedabad', 1, 'Colleague', 'Y', 'Car'),

(16, 'Vishal Verma', '9876543215', 'Jodhpur', 0, 'Family Friend', 'N', NULL),

(17, 'Meera Khanna', '9988776660', 'Surat', 2, 'Colleague', 'Y', 'Car'),

(18, 'Alok Singh', '9871234572', 'Chennai', 1, 'Close Family', 'Y', 'Train'),

(19, 'Suresh Reddy', '9876543216', 'Ahmedabad', 0, 'Family Friend', 'N', NULL),

(20, 'Nisha Sharma', '9988776661', 'Mumbai', 2, 'Colleague', 'Y', 'Bus'),

(21, 'Pallavi Gupta', '9871234573', 'Surat', 1, 'Friend', 'Y', 'Car'),

(22, 'Sameer Kumar', '9876543217', 'Chennai', 0, 'Family Friend', 'N', NULL),

(23, 'Swati Verma', '9988776662', 'Jodhpur', 2, 'Friend', 'Y', 'Bus'),

(24, 'Rahul Tiwari', '9871234574', 'Jodhpur', 1, 'Friend', 'Y', 'Train'),

(25, 'Rajesh Sharma', '9876543218', 'Ahmedabad', 2, 'Close Family', 'Y', 'Car'),

(26, 'Priya Verma', '9988776663', 'Surat', 1, 'Close Family', 'Y', 'Bus'),

(27, 'Deepak Joshi', '9871234575', 'Mumbai', 0, 'Family Friend', 'N', NULL),

(28, 'Aparna Patel', '9876543219', 'Chennai', 2, 'Colleague', 'Y', 'Flight'),

(29, 'Vikas Gupta', '9988776664', 'Ahmedabad', 1, 'Colleague', 'Y', 'Car'),

(30, 'Neha Kapoor', '9871234576', 'Mumbai', 0, 'Family Friend', 'N', NULL),

(31, 'Ankit Singh', '9876543220', 'Surat', 2, 'Colleague', 'Y', 'Train'),

(32, 'Rina Sharma', '9988776665', 'Ahmedabad', 1, 'Close Family', 'Y', 'Car'),

(33, 'Rajesh Verma', '9871234577', 'Chennai', 0, 'Family Friend', 'N', NULL),

(34, 'Ankita Joshi', '9876543221', 'Surat', 3, 'Friend', 'Y', 'Train'),

(35, 'Sudhir Kumar', '9988776666', 'Jodhpur', 2, 'Close Family', 'Y', 'Train');

- RETRIVE ALL DATA FROM groom_guests TABLE:

  SELECT * FROM groom_guests;

id [PK] integer	name character varying (50)	phone_no character varying (15)	city character varying (20)	number_of_guests integer	relation_with_groom character varying (30)	rsvp_response character	transportation_details character varying (50)
1	1	Amit Sharma	9876543210	Ahmedabad	2	Close Family	Y	Car
2	2	Deepak Patel	9988776655	Surat	1	Close Family	Y	Car
3	3	Preeti Gupta	9871234567	Mumbai	0	Family Friend	N	[null]
4	4	Anita Singh	9876543211	Chennai	3	Close Family	Y	Flight
5	5	Vikram Joshi	9988776656	Ahmedabad	2	Friend	Y	Car
6	6	Sneha Mishra	9871234568	Surat	0	Family Friend	N	[null]
7	7	Amit Patel	9876543212	Mumbai	1	Friend	Y	Bus
8	8	Neha Reddy	9988776657	Ahmedabad	2	Friend	Y	Car
9	9	Kiran Kapoor	9871234569	Surat	0	Family Friend	N	[null]
10	10	Sanjay Verma	9876543213	Chennai	2	Close Family	Y	Train
11	11	Rahul Kumar	9988776658	Ahmedabad	1	Friend	Y	Car
12	12	Aparna Singh	9871234570	Mumbai	0	Family Friend	N	[null]
13	13	Sarita Sharma	9876543214	Surat	3	Colleague	Y	Car
14	14	Rajat Gupta	9988776659	Chennai	2	Close Family	Y	Flight
15	15	Anjali Joshi	9871234571	Ahmedabad	1	Colleague	Y	Car
16	16	Vishal Verma	9876543215	Jodhpur	0	Family Friend	N	[null]
17	17	Meera Khanna	9988776660	Surat	2	Colleague	Y	Car
18	18	Alok Singh	9871234572	Chennai	1	Close Family	Y	Train
19	19	Suresh Reddy	9876543216	Ahmedabad	0	Family Friend	N	[null]
20	20	Nisha Sharma	9988776661	Mumbai	2	Colleague	Y	Bus
21	21	Pallavi Gupta	9871234573	Surat	1	Friend	Y	Car
22	22	Sameer Kumar	9876543217	Chennai	0	Family Friend	N	[null]
23	23	Swati Verma	9988776662	Jodhpur	2	Friend	Y	Bus
24	24	Rahul Tiwari	9871234574	Jodhpur	1	Friend	Y	Train
25	25	Rajesh Sharma	9876543218	Ahmedabad	2	Close Family	Y	Car
26	26	Priya Verma	9988776663	Surat	1	Close Family	Y	Bus
27	27	Deepak Joshi	9871234575	Mumbai	0	Family Friend	N	[null]
28	28	Aparna Patel	9876543219	Chennai	2	Colleague	Y	Flight
29	29	Vikas Gupta	9988776664	Ahmedabad	1	Colleague	Y	Car
30	30	Neha Kapoor	9871234576	Mumbai	0	Family Friend	N	[null]
31	31	Ankit Singh	9876543220	Surat	2	Colleague	Y	Train
32	32	Rina Sharma	9988776665	Ahmedabad	1	Close Family	Y	Car
33	33	Rajesh Verma	9871234577	Chennai	0	Family Friend	N	[null]
34	34	Ankita Joshi	9876543221	Surat	3	Friend	Y	Train
35	35	Sudhir Kumar	9988776666	Jodhpur	2	Close Family	Y	Train

2. Insert data into the bride_guests table:

INSERT INTO bride_guests VALUES

(1, 'Neha Patel', '9876543210', 'Ahmedabad', 2, 'Close Family', 'Y', 'Car'),

(2, 'Priya Joshi', '9988776655', 'Mumbai', 1, 'Close Family', 'Y', 'Bus'),

(3, 'Rajesh Jain', '9871234567', 'Surat', 0, 'Family Friend', 'N', NULL),

(4, 'Anita Kapoor', '9876543211', 'Chennai', 3, 'Close Family', 'Y', 'Flight'),

(5, 'Vikram Singh', '9988776656', 'Ahmedabad', 2, 'Friend', 'Y', 'Car'),

(6, 'Sneha Patel', '9871234568', 'Pune', 0, 'Family Friend', 'N', NULL),

(7, 'Amit Thakkar', '9876543212', 'Mumbai', 1, 'Friend', 'Y', 'Bus'),

(8, 'Neha Kapoor', '9988776657', 'Ahmedabad', 2, 'Friend', 'Y', 'Car'),

(9, 'Kiran Jain', '9871234569', 'Mumbai', 0, 'Family Friend', 'N', NULL),

(10, 'Sanjay Singh', '9876543213', 'Chennai', 2, 'Close Family', 'Y', 'Train'),

(11, 'Rahul Patel', '9988776658', 'Ahmedabad', 1, 'Friend', 'Y', 'Car'),

(12, 'Aparna Joshi', '9871234570', 'Surat', 0, 'Family Friend', 'N', NULL),

(13, 'Sarita Shukla', '9876543214', 'Ahmedabad', 3, 'Colleague', 'Y', 'Car'),

(14, 'Rajat Reddy', '9988776659', 'Chennai', 2, 'Close Family', 'Y', 'Flight'),

(15, 'Anjali Shukla', '9871234571', 'Mumbai', 1, 'Colleague', 'Y', 'Flight'),

(16, 'Vishal Khanna', '9876543215', 'Ahmedabad', 0, 'Family Friend', 'N', NULL),

(17, 'Meera Gupta', '9988776660', 'Pune', 2, 'Colleague', 'Y', 'Car'),

(18, 'Alok Jain', '9871234572', 'Chennai', 1, 'Close Family', 'Y', 'Flight'),

(19, 'Suresh Patel', '9876543216', 'Ahmedabad', 0, 'Family Friend', 'N', NULL),

(20, 'Nisha Gupta', '9988776661', 'Mumbai', 2, 'Colleague', 'Y', 'Train'),

(21, 'Pallavi Sharma', '9871234573', 'Surat', 1, 'Friend', 'Y', 'Car'),

(22, 'Sameer Verma', '9876543217', 'Chennai', 0, 'Family Friend', 'N', NULL),

(23, 'Swati Jain', '9988776662', 'Ahmedabad', 2, 'Friend', 'Y', 'Car'),

(24, 'Rahul Sharma', '9871234574', 'Jodhpur', 4, 'Friend', 'Y', 'Train'),

(25, 'Rajesh Verma', '9876543218', 'Ahmedabad', 2, 'Close Family', 'Y', 'Car'),

(26, 'Priya Joshi', '9988776663', 'Surat', 1, 'Close Family', 'Y', 'Bus'),

(27, 'Deepak Patel', '9871234575', 'Mumbai', 0, 'Family Friend', 'N', NULL),

(28, 'Aparna Kapoor', '9876543219', 'Chennai', 2, 'Colleague', 'Y', 'Flight'),

(29, 'Harsh Mehta', '9988776664', 'Ahmedabad', 1, 'Colleague', 'Y', 'Car'),

(30, 'Nehal Panchal', '9871234576', 'Mumbai', 0, 'Family Friend', 'N', NULL),

(31, 'Ankita Thakkar', '9876543220', 'Surat', 2, 'Colleague', 'Y', 'Train'),

(32, 'Rinal Patel', '9988776665', 'Ahmedabad', 1, 'Close Family', 'Y', 'Car'),

(33, 'Raj Gupta', '9871234577', 'Chennai', 0, 'Family Friend', 'N', NULL),

(34, 'Ankur Patel', '9876543221', 'Mumbai', 3, 'Friend', 'Y', 'Train'),

(35, 'Sudhir Shah', '9988776666', 'Jodhpur', 2, 'Close Family', 'Y', 'Train'),

(36, 'Malav Verma', '9876543210', 'Ahmedabad', 2, 'Close Family', 'Y', 'Car'),

(37, 'Priyal Jain', '9988776655', 'Mumbai', 1, 'Close Family', 'Y', 'Car'),

(38, 'Ramesh Gupta', '9871234567', 'Surat', 0, 'Family Friend', 'N', NULL),

(39, 'Mahesh Dalle', '9876543211', 'Chennai', 3, 'Close Family', 'Y', 'Flight'),

(40, 'Vikas Verma', '9988776656', 'Ahmedabad', 2, 'Friend', 'Y', 'Car'),

(41, 'Nihar Mishra', '9871234568', 'Pune', 0, 'Family Friend', 'N', NULL),

(42, 'Ansh Patel', '9876543212', 'Mumbai', 1, 'Friend', 'Y', 'Bus'),

(43, 'Arth Raval', '9988776657', 'Ahmedabad', 2, 'Friend', 'Y', 'Car'),

(44, 'Samarth Joshi', '9871234569', 'Mumbai', 0, 'Family Friend', 'N', NULL),

(45, 'Sanjeev Kapoor', '9876543213', 'Chennai', 4, 'Close Family', 'Y', 'Train'),

(46, 'Mahendra Singh', '9988776658', 'Ahmedabad', 1, 'Friend', 'Y', 'Car'),

(47, 'Apurva Patel', '9871234570', 'Surat', 0, 'Family Friend', 'N', NULL);

- RETRIVE ALL DATA FROM bride_guests TABLE:

    SELECT * FROM groom_guests;

id [PK] integer	name character varying (50)	phone_no character varying (15)	city character varying (20)	number_of_guests integer	relation_with_bride character varying (30)	rsvp_response character	transportation_details character varying (50)
1	Neha Patel	9876543210	Ahmedabad	2	Close Family	Y	Car
2	Priya Joshi	9988776655	Mumbai	1	Close Family	Y	Bus
3	Rajesh Jain	9871234567	Surat	0	Family Friend	N	[null]
4	Anita Kapoor	9876543211	Chennai	3	Close Family	Y	Flight
5	Vikram Singh	9988776656	Ahmedabad	2	Friend	Y	Car
6	Sneha Patel	9871234568	Pune	0	Family Friend	N	[null]
7	Amit Thakkar	9876543212	Mumbai	1	Friend	Y	Bus
8	Neha Kapoor	9988776657	Ahmedabad	2	Friend	Y	Car
9	Kiran Jain	9871234569	Mumbai	0	Family Friend	N	[null]
10	Sanjay Singh	9876543213	Chennai	2	Close Family	Y	Train
11	Rahul Patel	9988776658	Ahmedabad	1	Friend	Y	Car
12	Aparna Joshi	9871234570	Surat	0	Family Friend	N	[null]
13	Sarita Shukla	9876543214	Ahmedabad	3	Colleague	Y	Car
14	Rajat Reddy	9988776659	Chennai	2	Close Family	Y	Flight
15	Anjali Shukla	9871234571	Mumbai	1	Colleague	Y	Flight
16	Vishal Khanna	9876543215	Ahmedabad	0	Family Friend	N	[null]
17	Meera Gupta	9988776660	Pune	2	Colleague	Y	Car
18	Alok Jain	9871234572	Chennai	1	Close Family	Y	Flight
19	Suresh Patel	9876543216	Ahmedabad	0	Family Friend	N	[null]
20	Nisha Gupta	9988776661	Mumbai	2	Colleague	Y	Train
21	Pallavi Sharma	9871234573	Surat	1	Friend	Y	Car
22	Sameer Verma	9876543217	Chennai	0	Family Friend	N	[null]
23	Swati Jain	9988776662	Ahmedabad	2	Friend	Y	Car
24	Rahul Sharma	9871234574	Jodhpur	4	Friend	Y	Train
25	Rajesh Verma	9876543218	Ahmedabad	2	Close Family	Y	Car
26	Priya Joshi	9988776663	Surat	1	Close Family	Y	Bus
27	Deepak Patel	9871234575	Mumbai	0	Family Friend	N	[null]
28	Aparna Kapoor	9876543219	Chennai	2	Colleague	Y	Flight
29	Harsh Mehta	9988776664	Ahmedabad	1	Colleague	Y	Car
30	Nehal Panchal	9871234576	Mumbai	0	Family Friend	N	[null]
31	Ankita Thakkar	9876543220	Surat	2	Colleague	Y	Train
32	Rinal Patel	9988776665	Ahmedabad	1	Close Family	Y	Car
33	Raj Gupta	9871234577	Chennai	0	Family Friend	N	[null]
34	Ankur Patel	9876543221	Mumbai	3	Friend	Y	Train
35	Sudhir Shah	9988776666	Jodhpur	2	Close Family	Y	Train
36	Malav Verma	9876543210	Ahmedabad	2	Close Family	Y	Car
37	Priyal Jain	9988776655	Mumbai	1	Close Family	Y	Car
38	Ramesh Gupta	9871234567	Surat	0	Family Friend	N	[null]
39	Mahesh Dalle	9876543211	Chennai	3	Close Family	Y	Flight
40	Vikas Verma	9988776656	Ahmedabad	2	Friend	Y	Car
41	Nihar Mishra	9871234568	Pune	0	Family Friend	N	[null]
42	Ansh Patel	9876543212	Mumbai	1	Friend	Y	Bus
43	Arth Raval	9988776657	Ahmedabad	2	Friend	Y	Car
44	Samarth Joshi	9871234569	Mumbai	0	Family Friend	N	[null]
45	Sanjeev Kapoor	9876543213	Chennai	4	Close Family	Y	Train
46	Mahendra Singh	9988776658	Ahmedabad	1	Friend	Y	Car
47	Apurva Patel	9871234570	Surat	0	Family Friend	N	[null]

3. Insert data into the accommodations table:

```
DO $$
DECLARE

  CInd DATE := '2023-10-15';

  Coutd DATE := '2023-10-17';

  bride_rec RECORD;

  groom_rec RECORD;

BEGIN

  -- Insert accommodations records for bride's guests who are not from Ahmedabad

  FOR bride_rec IN (SELECT id, name, number_of_guests FROM bride_guests WHERE city <>
'Ahmedabad') LOOP

    INSERT INTO accommodations (id, name, number_of_guests, check_in_date, check_out_date,
      guest_of)

    VALUES (bride_rec.id, bride_rec.name, bride_rec.number_of_guests, CInd, Coutd, 'B');

  END LOOP;

  -- Insert accommodations records for groom's guests who are not from Ahmedabad

  FOR groom_rec IN (SELECT id, name, number_of_guests FROM groom_guests WHERE city <>
'Ahmedabad') LOOP
```

```sql
    INSERT INTO accommodations (id, name, number_of_guests, check_in_date, check_out_date,

    guest_of)

      VALUES (groom_rec.id, groom_rec.name, groom_rec.number_of_guests, CInd, Coutd, 'G');

END LOOP;

 COMMIT;

END $$;

--updating accommodations

update accommodations set check_out_date='2023-10-18' where name='Alok Jain';

update accommodations set check_in_date='2023-10-14' where id=15;
```

- RETRIVE ALL DATA FROM bride_guests TABLE:

  SELECT * FROM groom_guests;

id integer	name character varying (50)	number_of_guests integer	check_in_date date	check_out_date date	guest_of character
2	Priya Joshi	1	2023-10-15	2023-10-17	B
3	Rajesh Jain	0	2023-10-15	2023-10-17	B
4	Anita Kapoor	3	2023-10-15	2023-10-17	B
6	Sneha Patel	0	2023-10-15	2023-10-17	B
7	Amit Thakkar	1	2023-10-15	2023-10-17	B
9	Kiran Jain	0	2023-10-15	2023-10-17	B
12	Aparna Joshi	0	2023-10-15	2023-10-17	B
14	Rajat Reddy	2	2023-10-15	2023-10-17	B
17	Meera Gupta	2	2023-10-15	2023-10-17	B
20	Nisha Gupta	2	2023-10-15	2023-10-17	B
21	Pallavi Sharma	1	2023-10-15	2023-10-17	B
22	Sameer Verma	0	2023-10-15	2023-10-17	B
24	Rahul Sharma	4	2023-10-15	2023-10-17	B
26	Priya Joshi	1	2023-10-15	2023-10-17	B
27	Deepak Patel	0	2023-10-15	2023-10-17	B
28	Aparna Kapoor	2	2023-10-15	2023-10-17	B
30	Nehal Panchal	0	2023-10-15	2023-10-17	B
31	Ankita Thakkar	2	2023-10-15	2023-10-17	B

19	34	Ankur Patel	3	2023-10-15	2023-10-17	B
20	35	Sudhir Shah	2	2023-10-15	2023-10-17	B
21	38	Ramesh Gupta	0	2023-10-15	2023-10-17	B
22	39	Mahesh Dalle	3	2023-10-15	2023-10-17	B
23	41	Nihar Mishra	0	2023-10-15	2023-10-17	B
24	42	Ansh Patel	1	2023-10-15	2023-10-17	B
25	44	Samarth Joshi	0	2023-10-15	2023-10-17	B
26	47	Apurva Patel	0	2023-10-15	2023-10-17	B
27	2	Deepak Patel	1	2023-10-15	2023-10-17	G
28	3	Preeti Gupta	0	2023-10-15	2023-10-17	G
29	4	Anita Singh	3	2023-10-15	2023-10-17	G
30	6	Sneha Mishra	0	2023-10-15	2023-10-17	G
31	9	Kiran Kapoor	0	2023-10-15	2023-10-17	G
32	12	Aparna Singh	0	2023-10-15	2023-10-17	G
33	14	Rajat Gupta	2	2023-10-15	2023-10-17	G
34	16	Vishal Verma	0	2023-10-15	2023-10-17	G
35	17	Meera Khanna	2	2023-10-15	2023-10-17	G
36	18	Alok Singh	1	2023-10-15	2023-10-17	G

36	18	Alok Singh	1	2023-10-15	2023-10-17	G
37	20	Nisha Sharma	2	2023-10-15	2023-10-17	G
38	21	Pallavi Gupta	1	2023-10-15	2023-10-17	G
39	22	Sameer Kumar	0	2023-10-15	2023-10-17	G
40	24	Rahul Tiwari	1	2023-10-15	2023-10-17	G
41	26	Priya Verma	1	2023-10-15	2023-10-17	G
42	27	Deepak Joshi	0	2023-10-15	2023-10-17	G
43	28	Aparna Patel	2	2023-10-15	2023-10-17	G
44	30	Neha Kapoor	0	2023-10-15	2023-10-17	G
45	31	Ankit Singh	2	2023-10-15	2023-10-17	G
46	33	Rajesh Verma	0	2023-10-15	2023-10-17	G
47	34	Ankita Joshi	3	2023-10-15	2023-10-17	G
48	35	Sudhir Kumar	2	2023-10-15	2023-10-17	G
49	10	Sanjay Singh	2	2023-10-16	2023-10-17	B
50	10	Sanjay Verma	2	2023-10-16	2023-10-17	G
51	37	Priyal Jain	1	2023-10-16	2023-10-17	B
52	45	Sanjeev Kapoor	4	2023-10-14	2023-10-17	B
53	23	Swati Verma	2	2023-10-16	2023-10-17	G

54	13	Sarita Sharma	3	2023-10-16	2023-10-17	G
55	33	Raj Gupta	0	2023-10-15	2023-10-18	B
56	18	Alok Jain	1	2023-10-15	2023-10-18	B
57	7	Amit Patel	1	2023-10-16	2023-10-18	G
58	15	Anjali Shukla	1	2023-10-14	2023-10-17	B

Total rows: 58 of 58   Query complete 00:00:00.795

❖ Queries:

1. Create a function to calculate total number grooms's guests

   attending the wedding :

```
CREATE OR REPLACE FUNCTION calculate_total_groom_guests()

RETURNS INTEGER AS $$

DECLARE

    total_guests INTEGER := 0;

BEGIN

    SELECT SUM(number_of_guests)

    INTO total_guests

    FROM groom_guests

    WHERE rsvp_response = 'Y';

    RETURN total_guests;

EXCEPTION

    WHEN OTHERS THEN

        -- Handle exceptions as needed

        RETURN 0;

END;

$$ LANGUAGE plpgsql;
```

- Call Function:

```
SELECT calculate_total_groom_guests();
```

2. Create a function to calculate total number guests attending the wedding :

```
CREATE OR REPLACE FUNCTION calculate_total_attending_guests()

RETURNS INTEGER AS $$

DECLARE

    total_groom_guests INTEGER := 0;

    total_bride_guests INTEGER := 0;

    total_guests INTEGER := 0;

BEGIN

    -- Calculate total guests from bride_guests table

    SELECT SUM(number_of_guests)

    INTO total_bride_guests

    FROM bride_guests

    WHERE rsvp_response = 'Y';

    -- Calculate total guests from groom_guests table and add to the existing total

    SELECT SUM(number_of_guests)

    INTO total_groom_guests

    FROM groom_guests

    WHERE rsvp_response = 'Y';
```

```
    total_guests=total_groom_guests+total_bride_guests;

      RETURN total_guests;

    EXCEPTION

      WHEN OTHERS THEN

        RETURN 0;

    END;

    $$ LANGUAGE plpgsql;
```
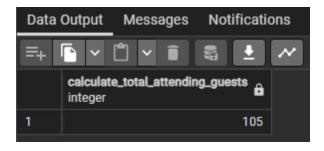
- Call Function:

```
SELECT calculate_total_attending_guests();
```


3. Create a Procedure to print name of guests who are not attending the wedding :

```
CREATE OR REPLACE PROCEDURE list_non_attending_guests()

LANGUAGE plpgsql

AS $$

DECLARE

  guest_name VARCHAR(50);

BEGIN
```

```sql
-- List non-attending guests from bride_guests

FOR guest_name IN

    SELECT name

    FROM bride_guests

    WHERE rsvp_response = 'N'

LOOP

    RAISE NOTICE 'Guest Not Attending (Bride Side): %', guest_name;

END LOOP;


-- List non-attending guests from groom_guests

FOR guest_name IN

    SELECT name

    FROM groom_guests

    WHERE rsvp_response = 'N'

LOOP

    RAISE NOTICE 'Guest Not Attending (Groom Side): %', guest_name;

END LOOP;

END;

$$;
```

- Call Procedure:

CALL list_non_attending_guests();

```
Data Output    Messages    Notifications

NOTICE:  Guest Not Attending (Bride Side): Rajesh Jain
NOTICE:  Guest Not Attending (Bride Side): Sneha Patel
NOTICE:  Guest Not Attending (Bride Side): Kiran Jain
NOTICE:  Guest Not Attending (Bride Side): Aparna Joshi
NOTICE:  Guest Not Attending (Bride Side): Vishal Khanna
NOTICE:  Guest Not Attending (Bride Side): Suresh Patel
NOTICE:  Guest Not Attending (Bride Side): Sameer Verma
NOTICE:  Guest Not Attending (Bride Side): Deepak Patel
NOTICE:  Guest Not Attending (Bride Side): Nehal Panchal
NOTICE:  Guest Not Attending (Bride Side): Raj Gupta
NOTICE:  Guest Not Attending (Bride Side): Ramesh Gupta
NOTICE:  Guest Not Attending (Bride Side): Nihar Mishra
NOTICE:  Guest Not Attending (Bride Side): Samarth Joshi
NOTICE:  Guest Not Attending (Bride Side): Apurva Patel
NOTICE:  Guest Not Attending (Groom Side): Preeti Gupta
NOTICE:  Guest Not Attending (Groom Side): Sneha Mishra
NOTICE:  Guest Not Attending (Groom Side): Kiran Kapoor
NOTICE:  Guest Not Attending (Groom Side): Aparna Singh
NOTICE:  Guest Not Attending (Groom Side): Vishal Verma
NOTICE:  Guest Not Attending (Groom Side): Suresh Reddy
NOTICE:  Guest Not Attending (Groom Side): Sameer Kumar
NOTICE:  Guest Not Attending (Groom Side): Deepak Joshi
NOTICE:  Guest Not Attending (Groom Side): Neha Kapoor
NOTICE:  Guest Not Attending (Groom Side): Rajesh Verma
CALL
```

4. Print details of guests whose check in date is '2023-10-15' and check out date is '2023-10-18' :

select*from accommodations where check_in_date='2023-10-15' and check_out_date='2023-10-18';

id integer		name character varying (50)		number_of_guests integer		check_in_date date		check_out_date date		guest_of character	
1	33	Raj Gupta			0	2023-10-15		2023-10-18		B	
2	18	Alok Jain			1	2023-10-15		2023-10-18		B	