

Metadata

- Database created by: V. M R
- Database Name: electoral_bonddata
- Author of Queries : V. M R
- Organization : Careerpedia
- Description: This is a database which has electoral bonds data provided by Government of INDIA after Supreme Court Ruling.
- Date: 04-04-2024

- 1. Tell me total how many bonds are created?

```
SQL
1 | SELECT COUNT(Unique_key) as 'All Bonds Count'
2 | FROM bonddata;
```

- 2. Find the count of Unique Denominations provided by SBI

```
SELECT COUNT(DISTINCT Denominations) AS 'Unique count of amonut
denominations'
FROM bonddata;
```

- 3. List all the unique denominations that are available?

```
SELECT DISTINCT Denominations AS 'Unique denominations'
FROM bonddata;
```

- 4. Total money recived by the bank for selling bonds

```
SELECT SUM(Denominations) AS 'Total Amount Received by Bank'
FROM bonddata;
```

- 5. Find the count of bonds for each denominations that are created.

```
SELECT Denominations, COUNT(Denominations) as 'count of
Denominations'
FROM bonddata
```

```
GROUP BY Denominations
ORDER BY Denominations;
```

- 6. Find the count and Amount or Valution of electoral bonds for each denominations.

```
SELECT Denominations,
        COUNT(Denominations) as `count of Denominations`,
        Denominations * COUNT(Denominations) as `Total Value`
FROM bonddata
GROUP BY Denominations
ORDER BY Denominations; -- Order by is not needed just for our
convince and understanding
```

- 7. Number of unique bank branches where we can buy electoral bond?

```
SELECT COUNT(branchcodeno)
FROM bankdata;
```

- 8. How many companies bought electoral bonds

```
SELECT COUNT(DISTINCT purchaser) AS 'No of Political Donors'
FROM donordata;
```

- 9. How many companies made political donations

```
SELECT COUNT(DISTINCT purchaser) AS 'No of Political Donors'
FROM donordata d
JOIN receiverdata r on r.Unique_key = d.Unique_key;
```

- 10. How many number of parties received donations

```
SELECT COUNT(DISTINCT Partyname) AS 'No of Political Parties'
FROM receiverdata;
```

- 11. List all the political parties that received donations

```
SELECT DISTINCT Partyname AS 'List of political parties'
FROM receiverdata;
```

- 12. What is the average amount that each political party received

```
SELECT Partyname, SUM(Denominations)/COUNT(Denominations) AS
'Average Amount Received by political party'
FROM reciverdata r
JOIN bonddata b ON b.Unique_key = r.Unique_key
GROUP BY Partyname;
```

- 13. What is the average bond value produced by bank

```
SELECT SUM(Denominations)/COUNT(Denominations) as 'Average bond
value'
FROM bonddata;
```

- 14 . List the political parties which have encashed bonds in different cities?

```
SELECT Partyname
FROM (SELECT Partyname, CITY, COUNT(Unique_key) AS PartyCount
      FROM reciverdata r
      JOIN bankdata b ON r.PayBranchCode = b.branchcodeno
      GROUP BY Partyname, CITY) as d
GROUP BY Partyname
HAVING COUNT(CITY) > 1
ORDER BY Partyname;
```

- 15 . List the political parties which have encashed bonds in different cities and list the cities in which the bonds have encashed as well?

```
SELECT Partyname, CITY
FROM (
  SELECT Partyname, CITY, COUNT(Unique_key) AS PartyCount
  FROM reciverdata r
  JOIN bankdata b ON r.PayBranchCode = b.branchcodeno
  GROUP BY Partyname, CITY
) AS d
WHERE Partyname IN (
  SELECT Partyname
  FROM (
    SELECT Partyname, COUNT(DISTINCT CITY) AS CityCount
    FROM reciverdata r
    JOIN bankdata b ON r.PayBranchCode = b.branchcodeno
```

```
        GROUP BY Partyname
    ) AS sub
    WHERE CityCount > 1
)
ORDER BY Partyname;
```

Same above query but in CTE form.

```
WITH PartyCityCounts AS (
    SELECT Partyname, CITY, COUNT(Unique_key) AS PartyCount
    FROM reciverdata r
    JOIN bankdata b ON r.PayBranchCode = b.branchcodeno
    GROUP BY Partyname, CITY
)
SELECT Partyname, CITY
FROM PartyCityCounts
WHERE Partyname IN (
    SELECT Partyname
    FROM PartyCityCounts
    GROUP BY Partyname
    HAVING COUNT(CITY) > 1
)
ORDER BY Partyname;
```
