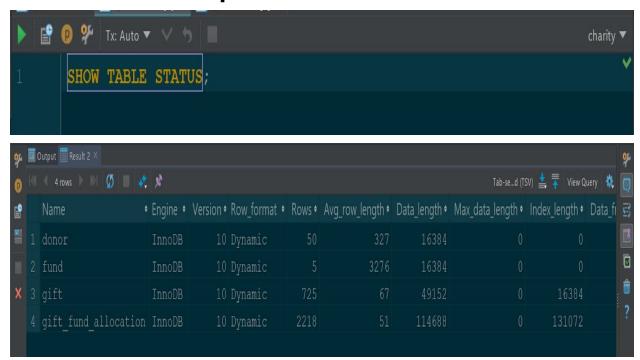
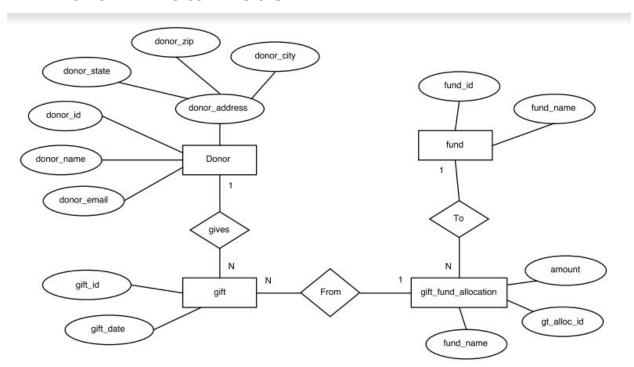
1.Part 1: Set up

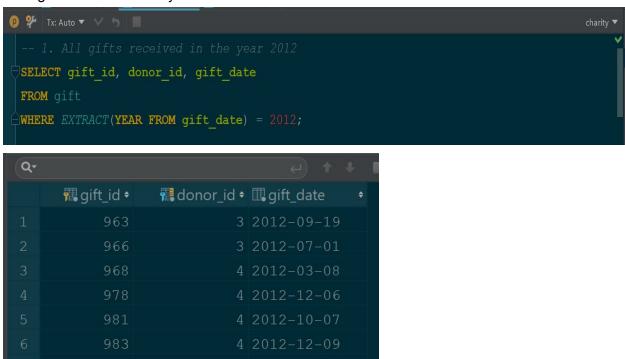


2. Part 2: Data Model

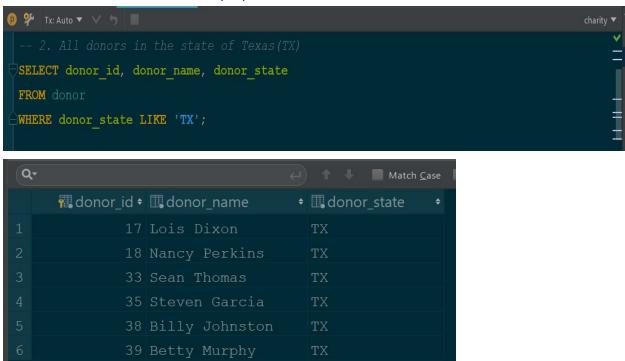


3. Part 3: SQL Queries

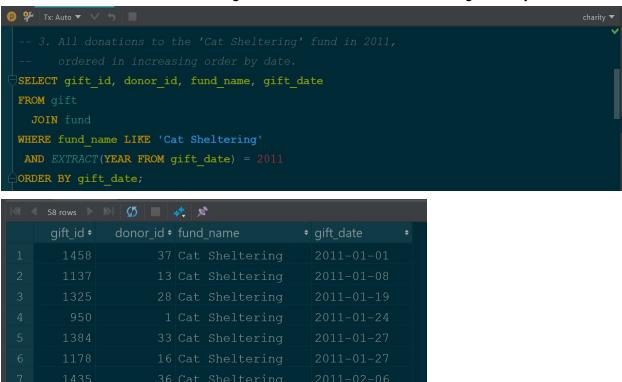
1. All gifts received in the year 2012.



2. All donors in the state of Texas(TX).



3. All donations to the 'Cat Sheltering' fund in 2011, ordered in increasing order by date.

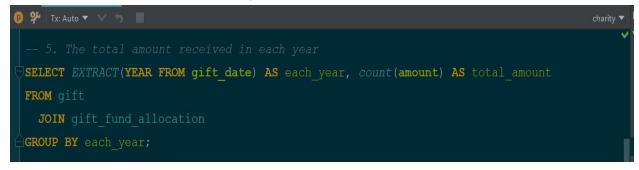


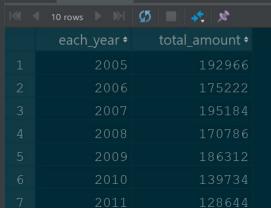
4. The name of every donor who gave a gift in 2012.



4 Albert Grant

5. The total amount received in each year.





6. The total amount received in each month of 2007.

```
charity 
-- 6. The total amount received in each month of 2007.

SELECT EXTRACT(YEAR FROM gift_date) AS year,

EXTRACT(MONTH FROM gift_date) AS month,

SUM(amount) AS total_amount

FROM donor

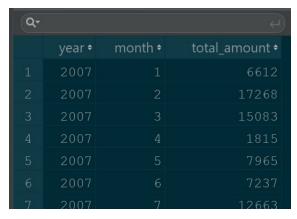
JOIN gift g ON donor.donor_id = g.donor_id

JOIN gift_fund_allocation a ON g.gift_id = a.gift_id

JOIN fund f ON a.fund_id = f.fund_id

WHERE EXTRACT(YEAR FROM gift_date) = 2007

GROUP BY year, month;
```



7. For donor 35, the gifts they gave in 2007 with the date and total amount of each gift.

```
charity ▼

-- 7. For donor 35, the gifts they gave in 2007 with the date and total

-- amount of each gift.

SELECT gift.donor_id, gift.gift_id, gift_date, SUM(amount) AS total_amount

FROM donor

JOIN gift on donor.donor_id = gift.donor_id

JOIN gift_fund_allocation a ON gift.gift_id = a.gift_id

JOIN fund f ON a.fund_id = f.fund_id

WHERE gift.donor_id = 35

AND EXTRACT(YEAR FROM gift_date) = 2007

GROUP BY gift.gift_id;
```

Q* Match Case				
	donor_id +	gift_id +	gift_date +	total_amount +
	35	1411	2007-08-05	1500
	35	1414	2007-05-03	1597
	35	1417	2007-05-15	787
	35	1418	2007-09-16	576
	35	1419	2007-03-12	1182
	35	1423	2007-12-27	736

8. For donor 35, the funds to which they contributed in 2007 with the total amount contributed to each fund.

```
charity 

-- 8. For donor 35, the funds to which they contributed in 2007

-- with the total amount contributed to each fund.

SELECT DISTINCT donor.donor_id, donor_name, fund_name, SUM(amount) AS total_amount

FROM donor

JOIN gift on donor.donor_id = gift.donor_id

JOIN gift_fund_allocation a ON gift.gift_id = a.gift_id

JOIN fund f ON a.fund_id = f.fund_id

WHERE donor.donor_id = 35

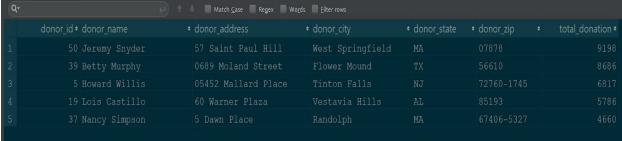
AND EXTRACT(YEAR FROM gift_date) = 2007

GROUP BY fund_name;
```



9. The names and full addresses of the top 5 donors in 2010, with their total donations, in decreasing order of total donations.





10. The list of Dog Lovers: everyone who has donated to Dog Sheltering. Do not include duplicates.

```
charity 
-- 10. The list of Dog Lovers: everyone who has donated to Dog
-- Sheltering. Do not include duplicates.

SELECT DISTINCT donor.donor_id, donor_name

FROM donor

JOIN gift g ON donor.donor_id = g.donor_id

JOIN gift_fund_allocation a ON g.gift_id = a.gift_id

JOIN fund f ON a.fund_id = f.fund_id

WHERE fund_name LIKE 'Dog Sheltering'
```

