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/* Hate Group Database */
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/*
HateGroupQuery.sql is a script listing possible queries that can be asked
of the hate group database.
*/

/* How many hate groups are there in each State (with the states ordered in
alphabetical order)? */

select stateName as 'State', count(groupName) as 'Number of hate groups'
from hategroupstate_t
group by stateName
order by stateName;

/* Which state has the most hate groups? */

select stateName as 'State with most hate groups'
from hategroupstate_t
group by stateName
order by count(groupName) desc limit 1;

/* What is the name of the hate group that was involved in the most events?
*/

select hateGroupName as 'Hate group most involved in events'
from eventOrg_t
group by hateGroupName
order by count(distinct eventID) desc limit 1;

/* Which type of event happened the most? */

select eType as 'Most recurrent event type'
from event_t
group by eType
order by count(eventID) desc limit 1;

```

```
/* How many hate groups follow each ideology, in alphabetical order? */
```

```
select ideology as 'Ideology', count(name) as 'Number of Groups'
from hategroup_t
group by ideology
order by ideology;
```

```
/* Which hate groups collaborated with Nation of Islam? */
```

```
select collabGroupName as 'Nation of Islam Collaborators'
from hategroupcollab_t
where hateGroupName = 'Nation of Islam';
```

```
/* What are the names of the hate groups with leaders from Florida, in
alphabetical order? */
```

```
select hateGroupName as 'Groups with Leaders from Florida'
from leader_t
where residentState = 'Florida'
order by hateGroupName;
```

```
/* Which hate groups have at least two leaders, in alphabetical order? */
```

```
select hateGroupName as 'Groups with 2 or more Leaders'
from leader_t
group by hateGroupName
having count(hateGroupName)>=2
order by hateGroupName;
```

```
/* What are the names and years founded of all the hate groups founded
after 2015, in alphabetical order? */
```

```
select name as 'Hate Group founded after 2015', yearFounded as 'Year
founded'
from hategroup_t
where yearFounded > 2015
order by name;
```

```
/* Which ideologies have a bias type of anti-semitism, in alphabetical order? */
```

```
select ideologyName as 'Ideology with anti-semitism bias'
from ideology_t
where biasType = 'anti-semitism'
order by ideologyName;
```

```
/* How many events, if any, were held for each ideology? */
```

```
select ideology as 'Ideology', count(eventID) as 'Number of events held'
from event_t
group by ideology;
```

```
/* Which hate groups have names that include America or American, in alphabetical order? */
```

```
select name as 'Groups with America in Name'
from hategroup_t
where name like '%America%'
order by name;
```

```
/* Which hate groups operate in the Pacific Northwest (CA, OR, WA)? */
```

```
select distinct groupName as 'Groups Operating in Pacific Northwest (CA, OR, WA)'
from hategroupstate_t
where stateName in ('California', 'Oregon', 'Washington');
```

```
/* In what city and state was the event with ID 123409? */
```

```
select city, stateName
from event_t
where eventID = 123409;
```

```
/* From which states are the hate groups that participated in the event with ID 123409, in alphabetical order? */
```

```
select distinct stateName
from hategroupstate_t, hategroup_t, eventorg_t
where eventID = 123409 AND hateGroupName = name AND name = groupName
```

```
order by stateName;
```

```
/* Find all information for events held by the Illinois Family Institute.
*/
```

```
select event_t.*, hateGroupName, eventDate
from eventOrg_t, event_t
where hateGroupName = 'Illinois Family Institute' AND event_t.eventID =
eventOrg_t.eventID;
```

```
/* Find the average number of attendees for all conferences. */
```

```
select AVG(numOfAttendees) as 'Average Number of Conference Attendees'
from event_t
where eType = 'Conference';
```

```
/* What is the bias type of the group led by Laurie Cardoza-Moore? */
```

```
select biasType
from ideology_t, hategroup_t, leader_t
where leader_t.name = 'Laurie Cardoza-Moore' AND hateGroupName =
hategroup_t.name AND ideology = ideologyName;
```

```
/* How many events were held in October of 2019? */
```

```
select count(eventID) as 'Events in October, 2019'
from eventOrg_t
where eventDate like '2019-10-%';
```

```
/* What are the names of the leaders whose groups held events with over 100
attendees? */
```

```
select distinct name as 'Leader Names'
from leader_t as L, eventOrg_t as Org, event_t as E
where L.hateGroupName = Org.hateGroupName AND Org.eventID = E.eventID AND
numOfAttendees > 100;
```