```sql
SELECT STATE, STAT_CAUSE_DESCR, COUNT(STAT_CAUSE_DESCR)
FROM Fires
WHERE STATE = 'CA'
GROUP BY 2
ORDER BY 3 DESC;


SELECT STATE, STAT_CAUSE_DESCR, COUNT(STAT_CAUSE_DESCR)
FROM Fires
WHERE STATE = 'WA'
GROUP BY 2
ORDER BY 3 DESC

SELECT STATE, STAT_CAUSE_DESCR, FIRE_SIZE_CLASS
FROM Fires
WHERE STATE = "CA"
GROUP BY 2;


SELECT STATE, FIRE_SIZE_CLASS
FROM Fires
WHERE STATE = "CA"
GROUP BY 2;


SELECT STATE, STAT_CAUSE_DESCR, FIRE_SIZE_CLASS, count(FIRE_SIZE_CLASS)
AS "FIRE_SIZE"
FROM Fires
WHERE STATE = "CA"
AND STAT_CAUSE_DESCR = "Lightning"
group by 3;

create table cal_fires as
select FIRE_YEAR, DISCOVERY_DOY, CONT_DOY, STAT_CAUSE_DESCR, FIRE_SIZE,
FIRE_SIZE_CLASS, STATE, COUNTY
from Fires;

create table cal_fires as
select FIRE_YEAR, DISCOVERY_DOY, STAT_CAUSE_DESCR, FIRE_SIZE,
FIRE_SIZE_CLASS, STATE, CASE
WHEN DISCOVERY_DOY BETWEEN 0 AND 31 THEN 'January'
WHEN DISCOVERY_DOY BETWEEN 32 AND 60 THEN 'February'
WHEN DISCOVERY_DOY BETWEEN 61 AND 90 THEN 'March'
WHEN DISCOVERY_DOY BETWEEN 91 AND 121 THEN 'April'
WHEN DISCOVERY_DOY BETWEEN 122 AND 151 THEN 'May'
WHEN DISCOVERY_DOY BETWEEN 152 AND 181 THEN 'June'
```

```sql
WHEN DISCOVERY_DOY BETWEEN 182 AND 212 THEN 'July'
WHEN DISCOVERY_DOY BETWEEN 213 AND 243 THEN 'August'
WHEN DISCOVERY_DOY BETWEEN 244 AND 273 THEN 'September'
WHEN DISCOVERY_DOY BETWEEN 274 AND 304 THEN 'October'
WHEN DISCOVERY_DOY BETWEEN 305 AND 334 THEN 'November'
WHEN DISCOVERY_DOY BETWEEN 335 AND 365 THEN 'December'
END AS month
from Fires
where STATE = 'CA';

select *
from cal_fires;



select *
from Fires;


create table loc_lit_yr08 as
select LATITUDE, LONGITUDE, STATE, STAT_CAUSE_DESCR
from Fires
where STATE = 'CA'
AND STAT_CAUSE_DESCR = 'Lightning'
AND FIRE_YEAR = '2008';

select * from loc_loc
```