```
select st_dimension(geom) from states;

select st_geometrytype(geom) from states;

select st_srid(geom) from states;

select distinct st_srid(geom) from states;

Select st_area(geom),st_area(geography(geom)),st_area(st_transform(geom,3857)),name from
states;

select
st_area(geom),st_area(geography(geom)),st_area(st_transform(geom,32646)),st_area(st_transf
orm(geom,3857)),name from states
where name ilike '%tripura%'

select
st_area(geom),st_area(geography(geom))/1000000,st_area(st_transform(geom,32646))/100000
0,st_area(st_transform(geom,3857))/1000000,name from states
where name ilike '%tripura%'

select st_centroid(geom),name  from states where name ilike '%delhi%' - contains

select st_centroid(geom),name from states where name not ilike '%delhi%'


select st_makeline(layer1.geom,layer2.geom), layer2.name
from
(select st_centroid(geom) as geom  from states where name ilike '%delhi%' )layer1,

(select st_centroid(geom) as geom,name from states where name not ilike '%delhi%')layer2


select
st_distance(geography(layer1.geom),geography(layer2.geom)),
st_makeline(layer1.geom,layer2.geom),
layer2.name
from
(select st_centroid(geom) as geom,name  from states where name ilike '%delhi%' )layer1,

(select st_centroid(geom) as geom,name from states where name not ilike '%delhi%')layer2
```

```
select
round(st_distance(geography(layer1.geom),geography(layer2.geom))/1000) as distance,
st_makeline(layer1.geom,layer2.geom) as geom,
layer2.name as state_name
from
(select st_centroid(geom) as geom,name  from states where name ilike '%delhi%' )layer1,

(select st_centroid(geom) as geom,name from states where name not ilike '%delhi%')layer2
order by distance desc
limit 1
```

st_envelope(the_geom)

st_astext(the_geom)

st_geomfromtext(the_geom)

st_isempty(the_geom)

st_issimple(the_geom)

st_distance(st_centroid(select the_geom from states where name ilike '%maha%'),
          st_centroid(select the_geom from states where name ilike '%guj%'))

st_buffert(the_geom,0.0001)

st_convexhull(the_geom)

st_intersection((select st_buffert(the_geom,0.0001) from states where name ilike '%maha%'),
             (select st_buffert(the_geom,0.0001) from states where name ilike '%guj%'))

st_union((select the_geom from states where name ilike '%maha%'),
          (select the_geom from states where name ilike '%guj%'))

Can you find the state with the maximum area?

Can you find the state which is farthest from Delhi?

Select st_area(the_geom),st_area(geography(the_geom)),
st_area(st_transform(the_geom,3857)),name from states;