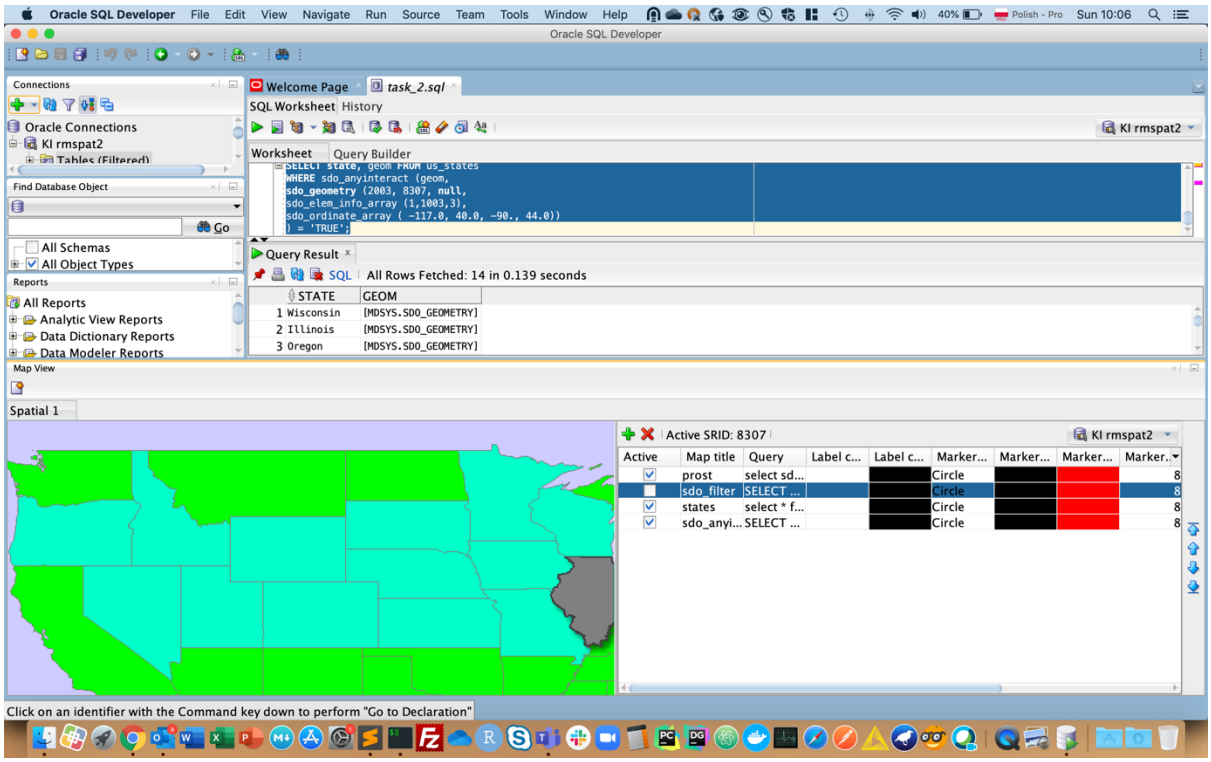
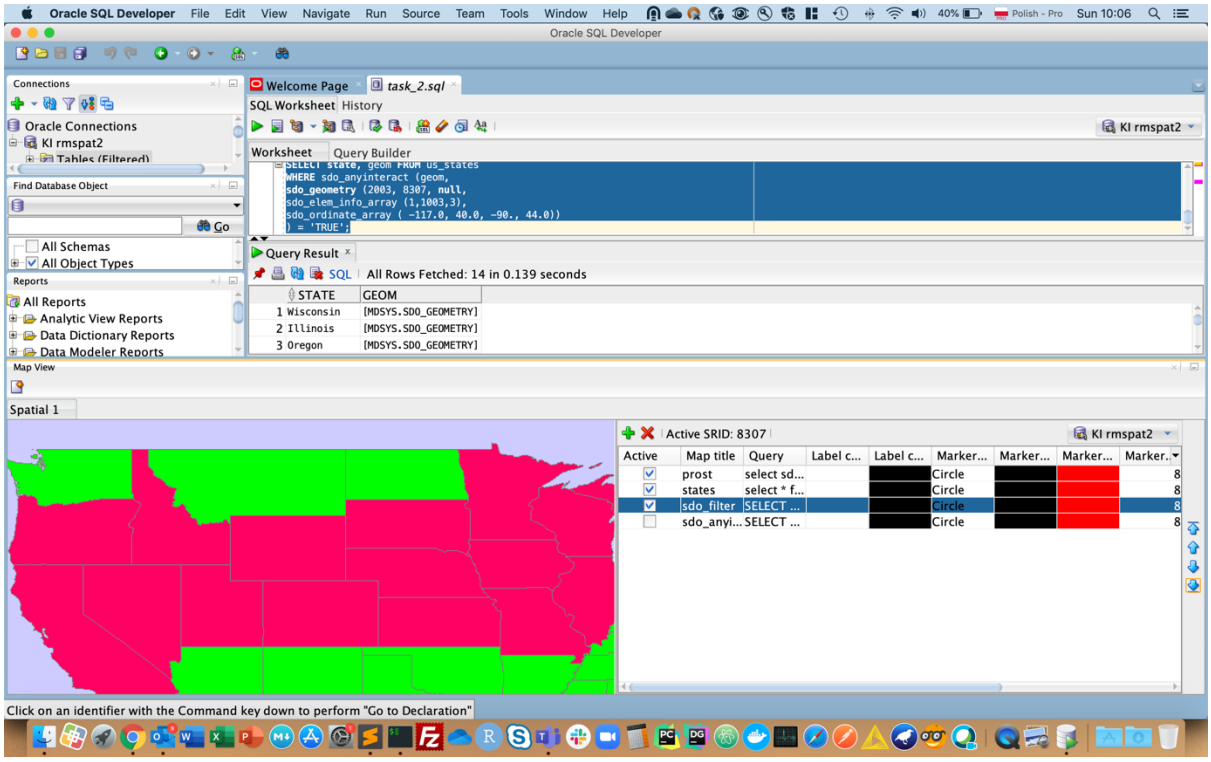
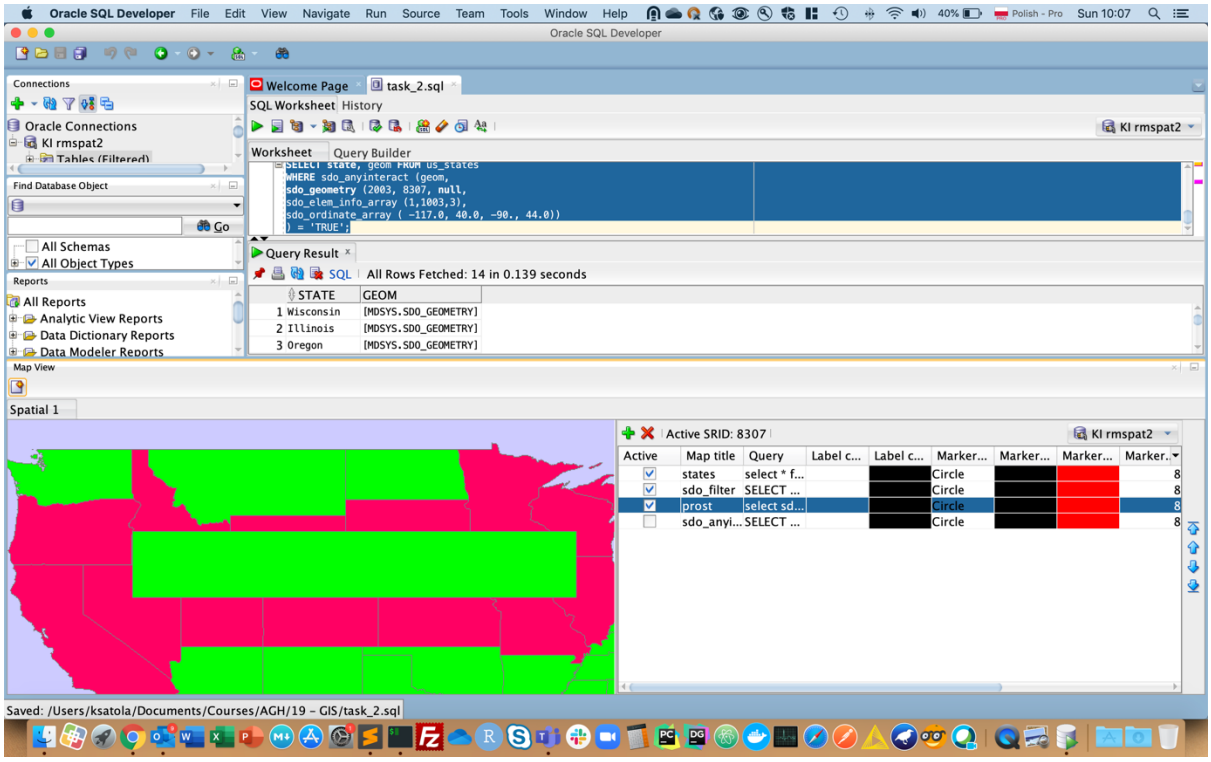
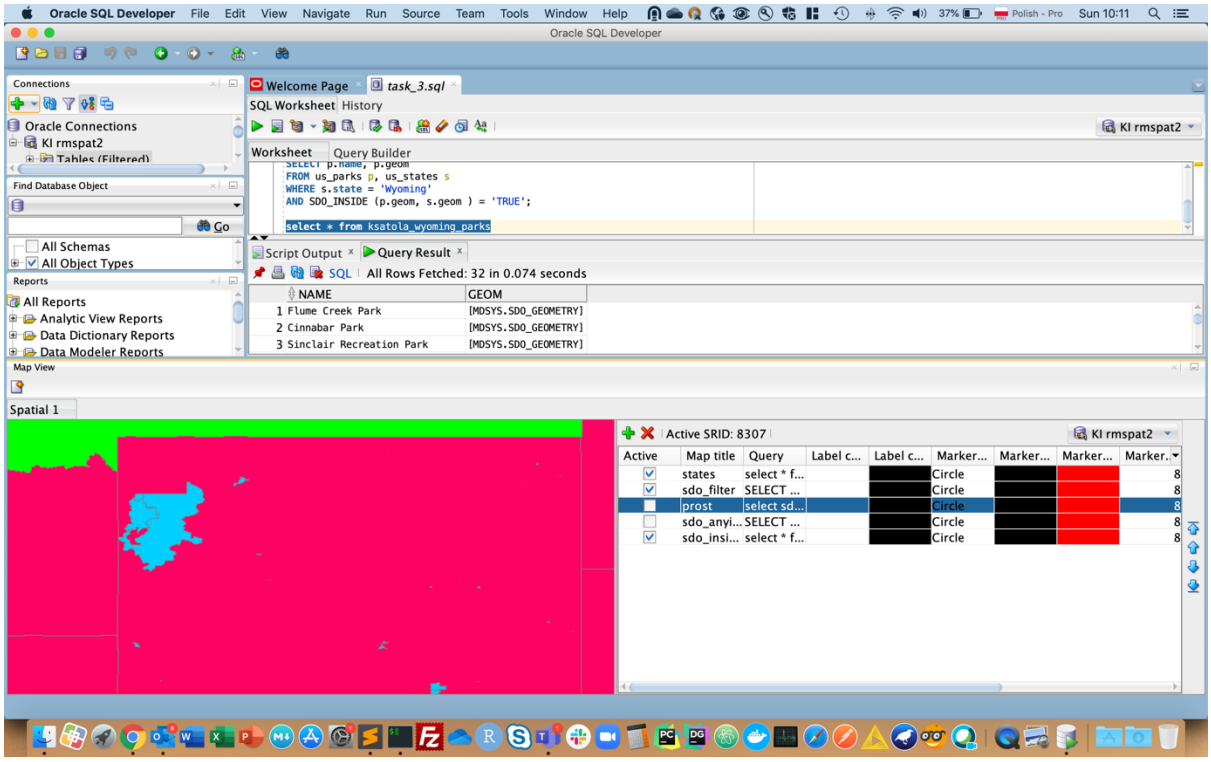
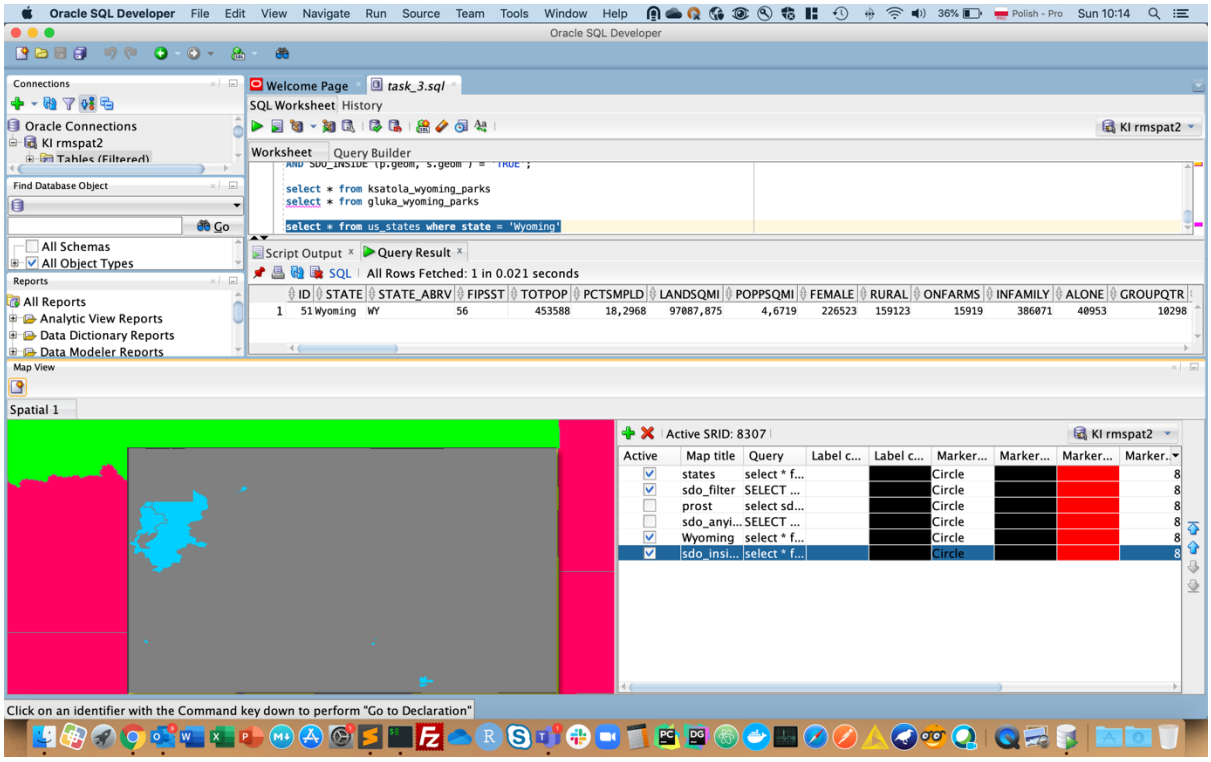
Krzysztof Satola

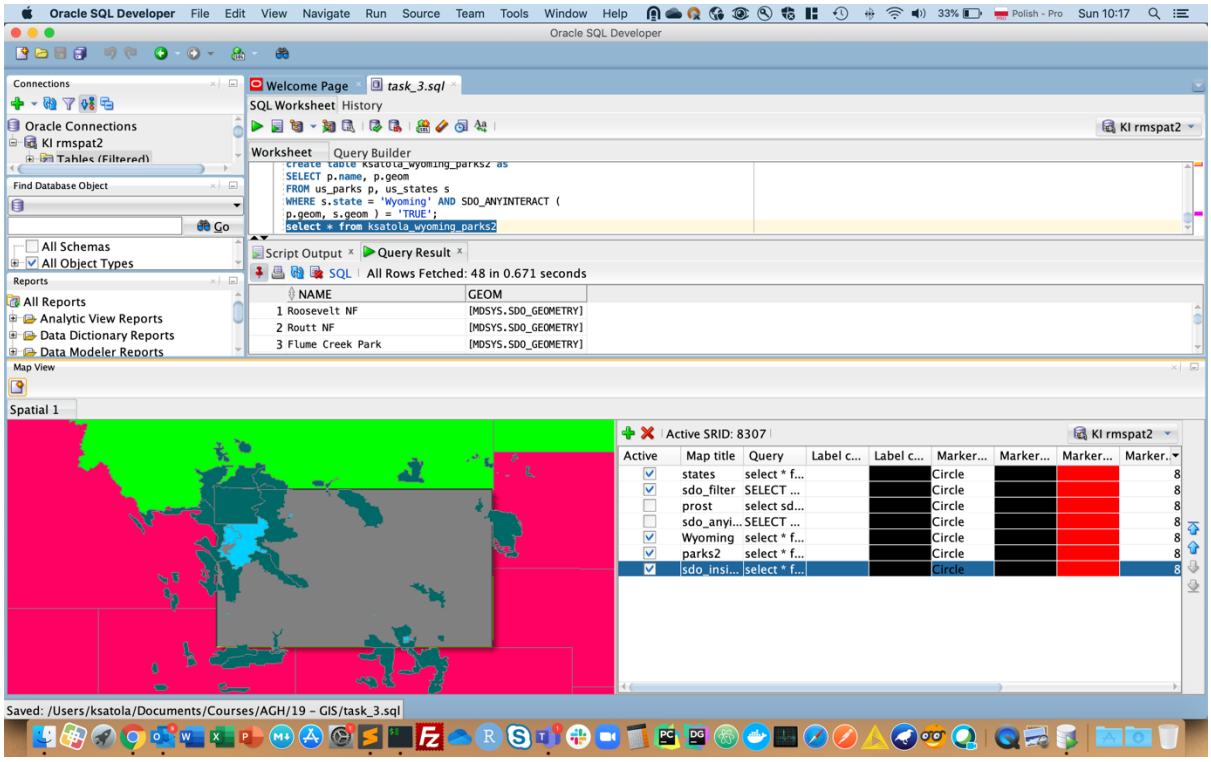


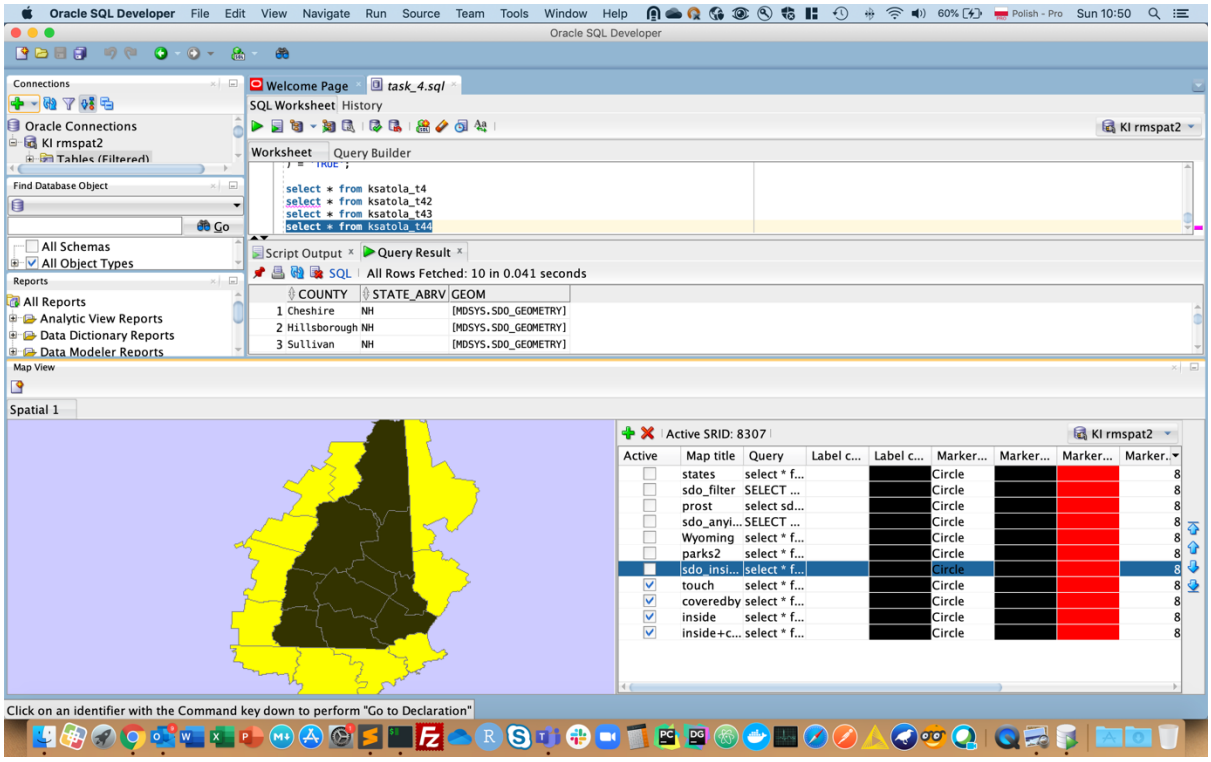


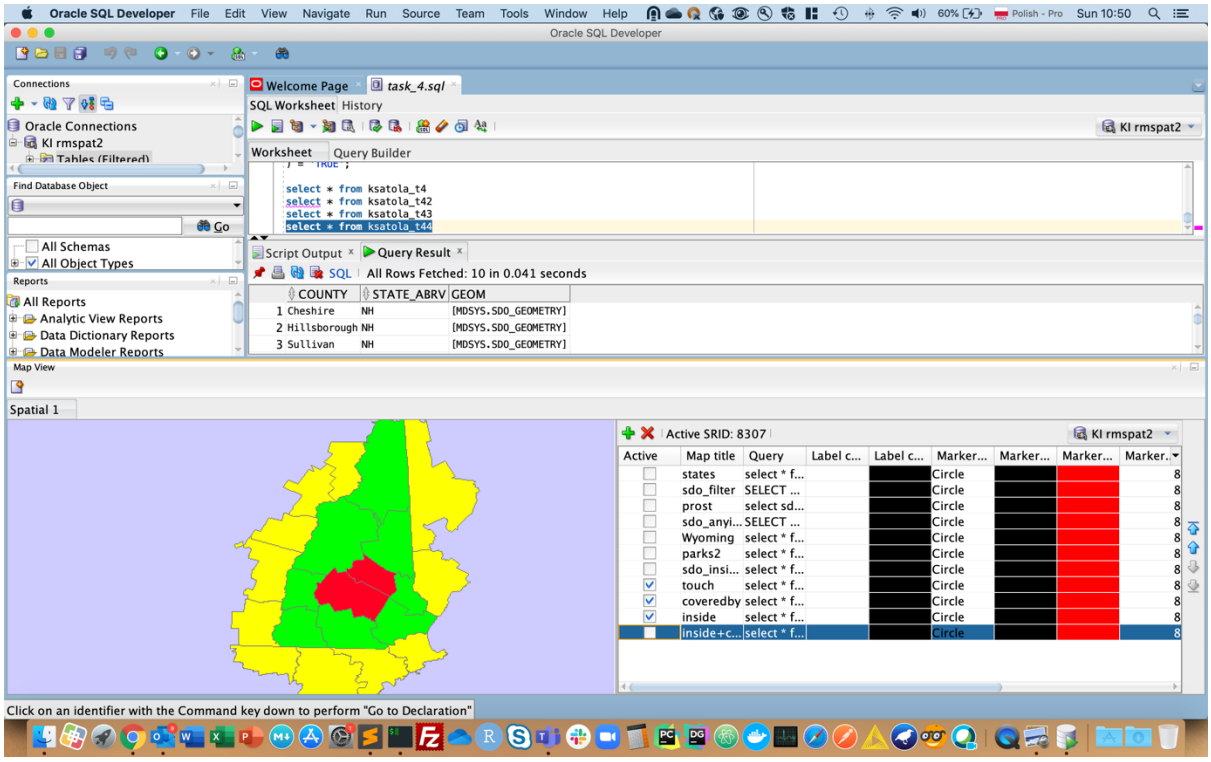

Oracle SQL Developer
Welcome Page
task_2.sql
SQL Worksheet History
Worksheet Query Builder
SELECT state, geom FROM us_states
WHERE sdo_anyinteract (geom,
sdo_geometry (2003, 8307, null,
sdo_elem_info_array (1,1003,3),
sdo_ordinate_array (-117.0, 40.0, -90., 44.0))
) = 'TRUE';
Query Result
All Rows Fetched: 14 in 0.139 seconds
STATE GEOM
1 Wisconsin [MDSYS.SDO_GEOMETRY]
2 Illinois [MDSYS.SDO_GEOMETRY]
3 Oregon [MDSYS.SDO_GEOMETRY]
Map View
Spatial 1
Active SRID: 8307
Active Map title Query
states select * f...
sdo_filter SELECT ...
prost select sd...
sdo_anyi... SELECT ...
Saved: /Users/ksatola/Documents/Courses/AGH/19 - GIS/task_2.sql

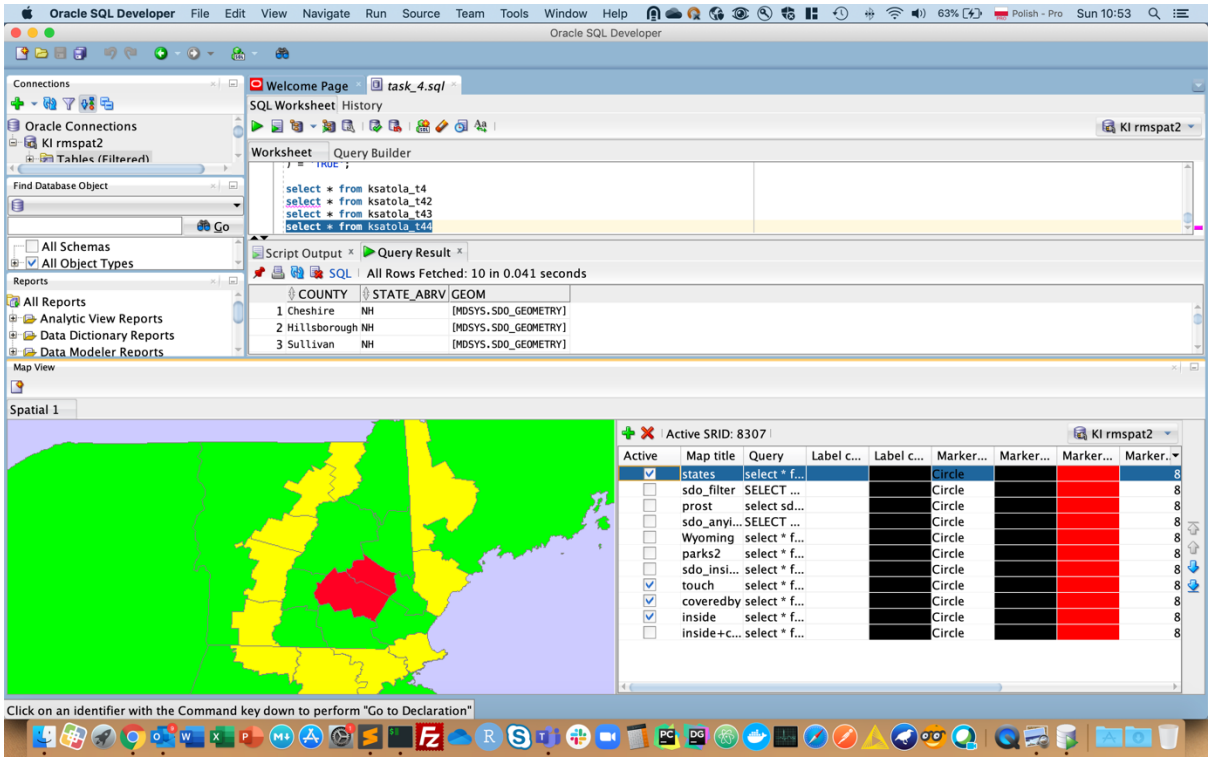

Oracle SQL Developer
Welcome Page
task_3.sql
SQL Worksheet History
Worksheet Query Builder
FROM us_parks p, us_states s
WHERE s.state = 'Wyoming'
AND SDO_INSIDE (p.geom, s.geom) = 'TRUE';
select * from ksatola_wyoming_parks
Script Output
Query Result
All Rows Fetched: 32 in 0.074 seconds
NAME GEOM
1 Flume Creek Park [MDSYS.SDO_GEOMETRY]
2 Cinnabar Park [MDSYS.SDO_GEOMETRY]
3 Sinclair Recreation Park [MDSYS.SDO_GEOMETRY]
Map View
Spatial 1
Active SRID: 8307
Active Map title Query
states select * f...
sdo_filter SELECT ...
prost select sd...
sdo_anyi... SELECT ...
sdo_insi... select * f...

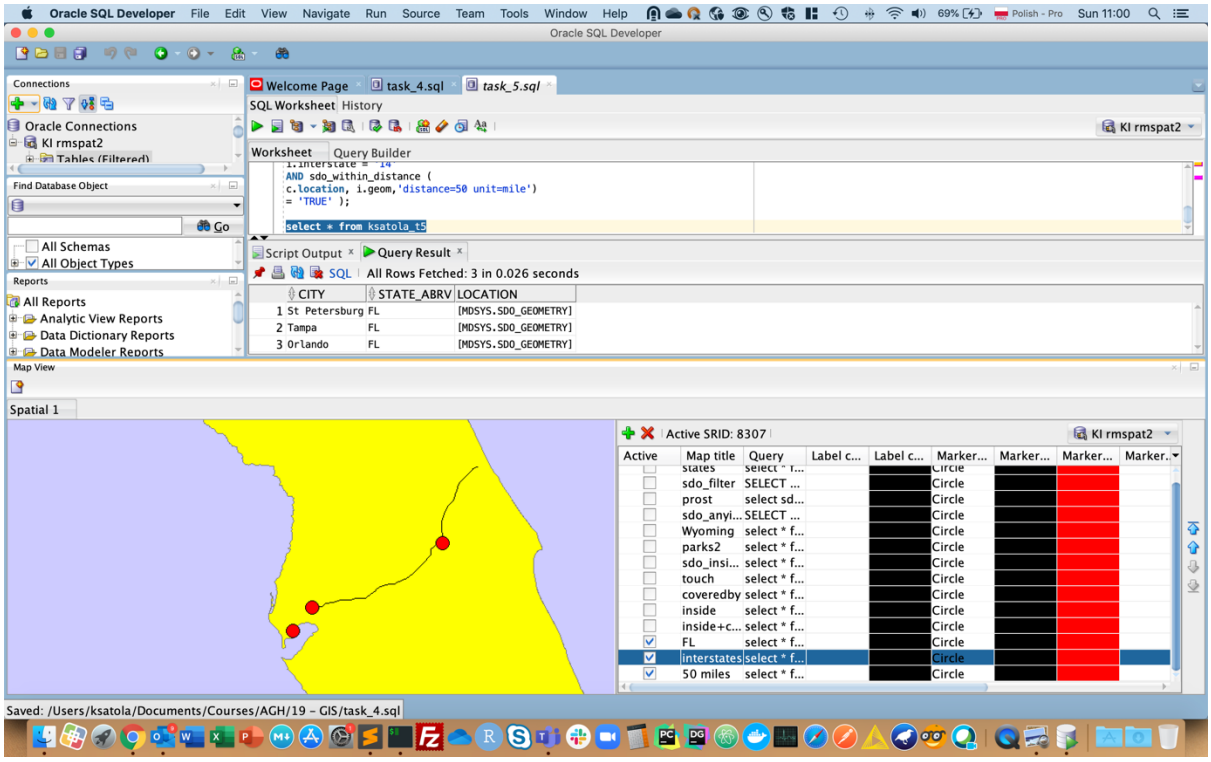

Oracle SQL Developer
Welcome Page
task_3.sql
SQL Worksheet History
Worksheet Query Builder
select * from ksatola_wyoming_parks
select * from gluka_wyoming_parks
select * from us_states where state = 'Wyoming'
Script Output
Query Result
All Rows Fetched: 1 in 0.021 seconds
ID STATE STATE_ABRV FIPSST TOTPOP PCTSMPLD LANDSQMI POPPSQMI FEMALE RURAL ONFARMS INFAMILY ALONE GROUPQTR
1 51 Wyoming WY 56 453588 18,2968 97087,875 4,6719 226523 159123 15919 386071 40953 10298
Spatial 1
Active SRID: 8307
Active Map title Query Label c... Label c... Marker... Marker... Marker... Marker...
states select * f... Circle 8
sdo_filter SELECT ... Circle 8
prost select sd... Circle 8
sdo_anyi... SELECT ... Circle 8
Wyoming select * f... Circle 8
sdo_insi... select * f... Circle 8
Click on an identifier with the Command key down to perform "Go to Declaration"

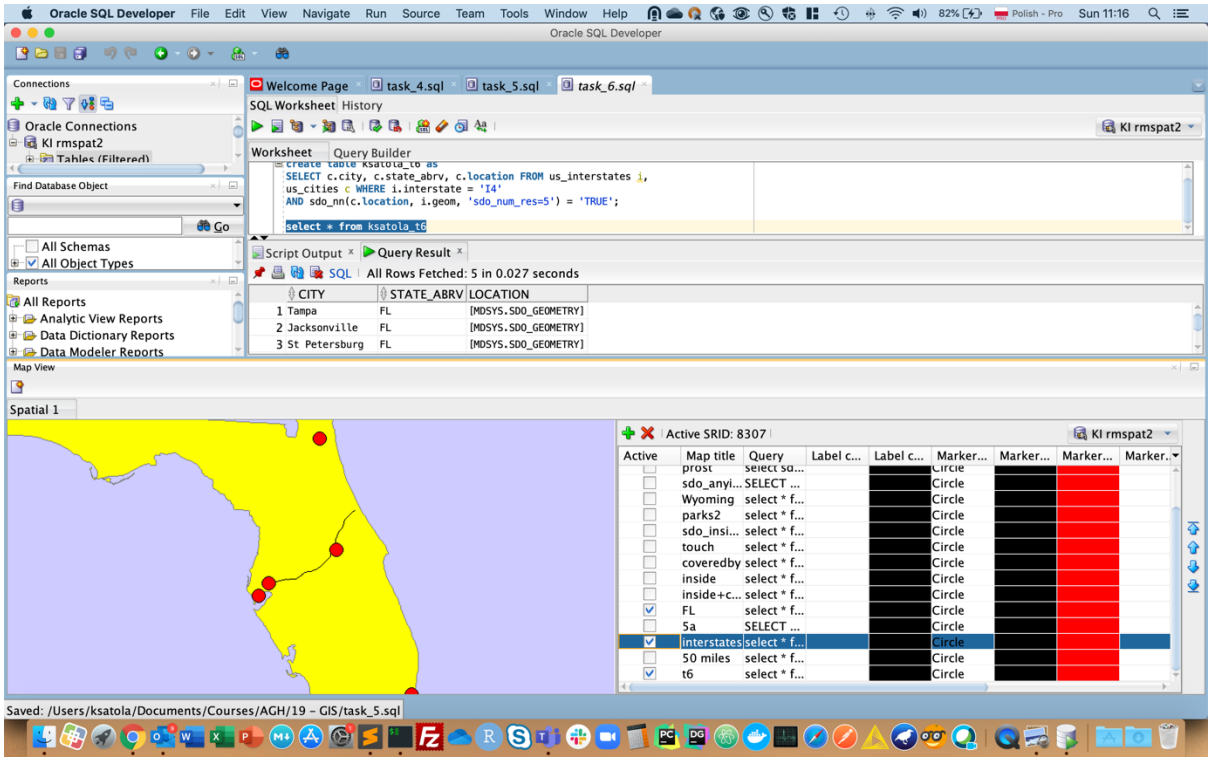

Oracle SQL Developer
Welcome Page
task_3.sql
SQL Worksheet History
Worksheet Query Builder
SELECT p.name, p.geom
FROM us_parks p, us_states s
WHERE s.state = 'Wyoming' AND SDO_ANYINTERACT (
p.geom, s.geom) = 'TRUE';
select * from ksatola_wyoming_parks2
Script Output
Query Result
All Rows Fetched: 48 in 0.671 seconds
NAME GEOM
1 Roosevelt NF [MDSYS.SDO_GEOMETRY]
2 Routt NF [MDSYS.SDO_GEOMETRY]
3 Flume Creek Park [MDSYS.SDO_GEOMETRY]
Spatial 1
Active SRID: 8307
Active Map title Query Label c... Label c... Marker... Marker... Marker... Marker...
states select * f... Circle 8
sdo_filter SELECT ... Circle 8
prost select sd... Circle 8
sdo_anyi... SELECT ... Circle 8
Wyoming select * f... Circle 8
parks2 select * f... Circle 8
sdo_insi... select * f... Circle 8
Saved: /Users/ksatola/Documents/Courses/AGH/19 - GIS/task_3.sql

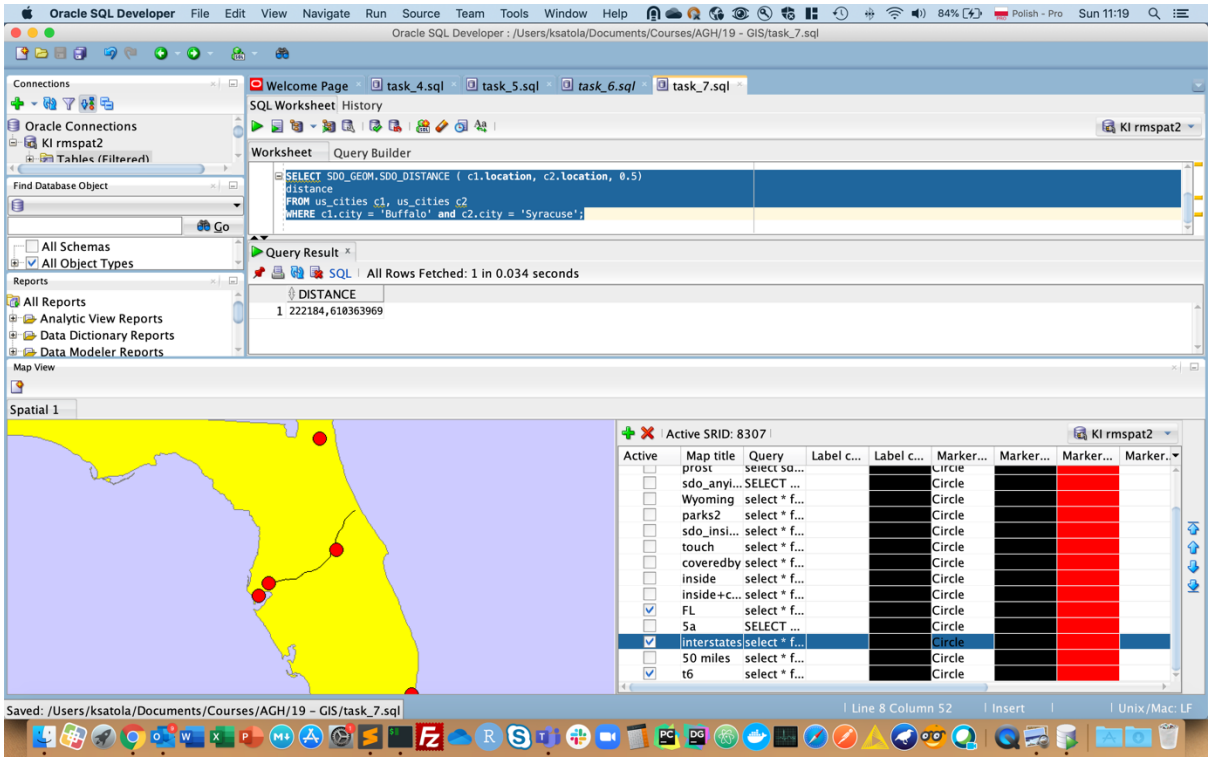

Oracle SQL Developer
Welcome Page
task_4.sql
SQL Worksheet History
KI rmspat2
Worksheet Query Builder
select * from ksatola_t4
select * from ksatola_t42
select * from ksatola_t43
select * from ksatola_t44
Script Output
Query Result
All Rows Fetched: 10 in 0.041 seconds
COUNTY STATE_ABRV GEOM
1 Cheshire NH [MDSYS.SDO_GEOMETRY]
2 Hillsborough NH [MDSYS.SDO_GEOMETRY]
3 Sullivan NH [MDSYS.SDO_GEOMETRY]
Map View
Spatial 1
Active SRID: 8307
Active Map title Query Label c... Label c... Marker... Marker... Marker... Marker...
states select * f... Circle 8
sdo_filter SELECT ... Circle 8
prost select sd... Circle 8
sdo_anyi... SELECT ... Circle 8
Wyoming select * f... Circle 8
parks2 select * f... Circle 8
sdo_insi... select * f... Circle 8
touch select * f... Circle 8
coveredby select * f... Circle 8
inside select * f... Circle 8
inside+c... select * f... Circle 8
Click on an identifier with the Command key down to perform "Go to Declaration"

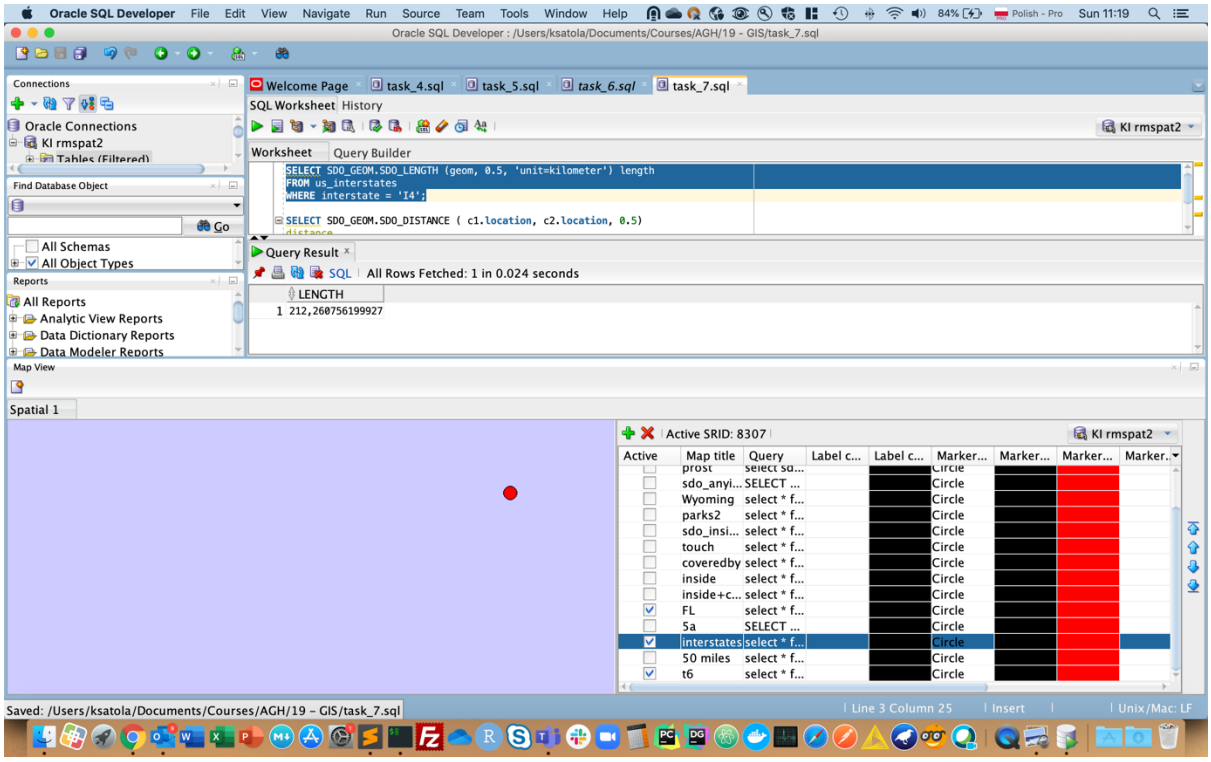

Oracle SQL Developer
Welcome Page
task_4.sql
SQL Worksheet History
KI rmspat2
Worksheet Query Builder
select * from ksatola_t4
select * from ksatola_t42
select * from ksatola_t43
select * from ksatola_t44
Script Output
Query Result
All Rows Fetched: 10 in 0.041 seconds
COUNTY STATE_ABRV GEOM
1 Cheshire NH [MDSYS.SDO_GEOMETRY]
2 Hillsborough NH [MDSYS.SDO_GEOMETRY]
3 Sullivan NH [MDSYS.SDO_GEOMETRY]
Map View
Spatial 1
Active SRID: 8307
Active Map title Query Label c... Label c... Marker... Marker... Marker... Marker...
states select * f... Circle 8
sdo_filter SELECT ... Circle 8
prost select sd... Circle 8
sdo_anyi... SELECT ... Circle 8
Wyoming select * f... Circle 8
parks2 select * f... Circle 8
sdo_insi... select * f... Circle 8
touch select * f... Circle 8
coveredby select * f... Circle 8
inside select * f... Circle 8
inside+c... select * f... Circle 8
Click on an identifier with the Command key down to perform "Go to Declaration"


Oracle SQL Developer
Welcome Page
task_4.sql
SQL Worksheet History
KI rmspat2
Worksheet Query Builder
select * from ksatola_t4
select * from ksatola_t42
select * from ksatola_t43
select * from ksatola_t44
Script Output
Query Result
All Rows Fetched: 10 in 0.041 seconds
COUNTY STATE_ABRV GEOM
1 Cheshire NH [MDSYS.SDO_GEOMETRY]
2 Hillsborough NH [MDSYS.SDO_GEOMETRY]
3 Sullivan NH [MDSYS.SDO_GEOMETRY]
Map View
Spatial 1
Active SRID: 8307
Click on an identifier with the Command key down to perform "Go to Declaration"


Oracle SQL Developer
Welcome Page
task_4.sql
task_5.sql
SQL Worksheet History
KI rmspat2
Worksheet Query Builder
AND sdo_within_distance (
c.location, i.geom,'distance=50 unit=mile')
= 'TRUE');
select * from ksatola_t5
Script Output
Query Result
All Rows Fetched: 3 in 0.026 seconds
CITY STATE_ABRV LOCATION
1 St Petersburg FL [MDSYS.SDO_GEOMETRY]
2 Tampa FL [MDSYS.SDO_GEOMETRY]
3 Orlando FL [MDSYS.SDO_GEOMETRY]
Map View
Spatial 1
Active SRID: 8307
Saved: /Users/ksatola/Documents/Courses/AGH/19 - GIS/task_4.sql


Oracle SQL Developer
Welcome Page
task_4.sql
task_5.sql
task_6.sql
SQL Worksheet History
Worksheet Query Builder
SELECT c.city, c.state_abrv, c.location FROM us_interstates i,
us_cities c WHERE i.interstate = 'I4'
AND sdo_nn(c.location, i.geom, 'sdo_num_res=5') = 'TRUE';
select * from ksatola_t6
Script Output
Query Result
All Rows Fetched: 5 in 0.027 seconds
CITY STATE_ABRV LOCATION
1 Tampa FL [MDSYS.SDO_GEOMETRY]
2 Jacksonville FL [MDSYS.SDO_GEOMETRY]
3 St Petersburg FL [MDSYS.SDO_GEOMETRY]
Active SRID: 8307
Saved: /Users/ksatola/Documents/Courses/AGH/19 - GIS/task_5.sql


Oracle SQL Developer : /Users/ksatola/Documents/Courses/AGH/19 - GIS/task_7.sql
Welcome Page
task_4.sql
task_5.sql
task_6.sql
task_7.sql
SQL Worksheet History
Worksheet Query Builder
SELECT SDO_GEOM.SDO_DISTANCE (c1.location, c2.location, 0.5)
distance
FROM us_cities c1, us_cities c2
WHERE c1.city = 'Buffalo' and c2.city = 'Syracuse';
Query Result
All Rows Fetched: 1 in 0.034 seconds
DISTANCE
1 222184,610363969
Active SRID: 8307
Saved: /Users/ksatola/Documents/Courses/AGH/19 - GIS/task_7.sql


Oracle SQL Developer : /Users/ksatola/Documents/Courses/AGH/19 - GIS/task_7.sql
Welcome Page
task_4.sql
task_5.sql
task_6.sql
task_7.sql
SQL Worksheet
History
Worksheet
Query Builder
SELECT SDO_GEOM.SDO_LENGTH (geom, 0.5, 'unit=kilometer') length
FROM us_interstates
WHERE interstate = 'I4';
SELECT SDO_GEOM.SDO_DISTANCE (c1.location, c2.location, 0.5)
Query Result
All Rows Fetched: 1 in 0.024 seconds
LENGTH
1 212,260756199927
Map View
Spatial 1
Active SRID: 8307
Active
Map title
Query
Label c...
Marker...
sdo_anyi... SELECT ...
Wyoming select * f...
parks2 select * f...
sdo_insi... select * f...
touch select * f...
coveredby select * f...
inside select * f...
inside+c... select * f...
FL select * f...
5a SELECT ...
interstates select * f...
50 miles select * f...
t6 select * f...
Circle
Saved: /Users/ksatola/Documents/Courses/AGH/19 - GIS/task_7.sql
Line 3 Column 25
Insert
Unix/Mac: LF