Queries

Convex Hull

SELECT ST\_AsText(ST\_ConvexHull(

ST\_Collect(ST\_GeomFromText('MULTIPOINT(-122.2016137 47.6156131, -122.2015452 47.6132785, -122.1997209 47.6177429, -122.2047037 47.6113896,-122.2067264 47.6110601

, -122.2118938 47.6114015, -122.2069844 47.6176461, -122.2005052 47.6202348)')

)) );

-------st\_astext-------

"POLYGON((-122.2067264 47.6110601,-122.2118938 47.6114015,-122.2069844 47.6176461,-122.2005052 47.6202348,-122.1997209 47.6177429,-122.2015452 47.6132785,-122.2047037 47.6113896,-122.2067264 47.6110601))"

Three Nearest Neighbors

Creating the schema

create table test1(

name varchar(30)

);

select AddGeometryColumn('test1','points\_geom',4326, 'POINT', 2);

Inserting Values

INSERT INTO test1 (name, points\_geom)

VALUES ('cinemark theatre',ST\_GeomFromText('Point(122.1997209 47.6177429)',4326));

INSERT INTO test1 (name, points\_geom)

VALUES ('downtown park',ST\_GeomFromText('Point(122.2047037 47.6113896)',4326));

INSERT INTO test1 (name, points\_geom)

VALUES ('maydenbaur beach',ST\_GeomFromText('Point(122.2118938 47.6114015)',4326));

INSERT INTO test1 (name, points\_geom)

VALUES ('100th avenue',ST\_GeomFromText('Point(122.2069844 47.6176461)',4326));

INSERT INTO test1 (name, points\_geom)

VALUES ('dominoes',ST\_GeomFromText('Point(122.2005052 47.6202348)',4326));

INSERT INTO test1 (name, points\_geom)

VALUES ('chevron station',ST\_GeomFromText('Point(122.2067264 47.6110601)',4326));

INSERT INTO test1 (name, points\_geom)

VALUES ('Hyaat Regency',ST\_GeomFromText('Point(-122.2015924 47.6186042)',4326));

Query

SELECT \*

FROM test1

ORDER BY test1.points\_geom <-> ST\_GeomFromText('Point(122.2034592 47.6215759)',4326)

LIMIT 3;