**CSCI 585-Homework 2**

-------------------------------------------------------QUERY 1-----------------------------------------------------------------

SELECT ST\_AsText(ST\_ConvexHull(

ST\_Collect(

ST\_GeomFromText('MULTIPOINT(-118.289951 34.031292,-118.288428 34.024520,-118.283465 34.021211, -118.285741 34.018981,-118.289485 34.019707,

-118.291336 34.025359, -118.291046 34.018690,-118.282399 34.018450, -118.280243 34.021856)')

)) );

----------------------------------------------------DDL for Query 2-----------------------------------------------------------

CREATE TABLE PLACES(

LABLES VARCHAR(15),

COORDINATES geometry

);

INSERT INTO PLACES VALUES

('MyHome',ST\_MakePoint(-118.289951, 34.031292)),

('LyonCenter',ST\_MakePoint(-118.288428, 34.024520)),

('VKCLibrary',ST\_MakePoint(-118.283465, 34.021211)),

('BridgeHall',ST\_MakePoint(-118.285741, 34.018981)),

('SALLab',ST\_MakePoint(-118.289485, 34.019707)),

('Jeff\_Ver',ST\_MakePoint(-118.291336, 34.025359)),

('Ver\_Expo',ST\_MakePoint(-118.291046, 34.018690)),

('Expo\_Figue',ST\_MakePoint(-118.282399, 34.018450)),

('Figue\_Jeff',ST\_MakePoint(-118.280243, 34.021856));

-----------------------------------------------------QUERY 2---------------------------------------------------------------------

SELECT lables, ST\_AsText(COORDINATES) FROM PLACES WHERE LABLES !='MyHome' ORDER BY COORDINATES <-> (SELECT COORDINATES FROM PLACES WHERE LABLES ='MyHome' ) LIMIT 3;

-----------------------------------------------------KML File-------------------------------------------------------------------------

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