INFO-H-415 - Advanced Databases

Spatial Databases Reference

You will be provided with a list similar to this one during the exam.

float **ST_Area**(geometry): Returns the area of the surface of geometry.

boolean **ST_Within**(geometry, geometry): Returns TRUE if geometry A is completely inside geometry B.

boolean **ST_Contains**(geometry, geometry): Returns TRUE if geometry B is completely inside geometry A.

boolean **ST_Intersects**(geometry, geometry): Returns TRUE if geometry B intersects geometry A.

geometry **ST_Union**(geometry): Returns a MULTI geometry or NON-MULTI geometry from a set of geometries.

geometry **ST_GeomFromText**(string): Returns a specified ST_Geometry value from Well-Known Text representation (WKT).

string **ST_AsText**(geometry): Returns the Well-Known Text representation of the geometry.

geometry **ST_Centroid**(geometry): Returns the geometric center of a geometry, or equivalently, the center of mass of the geometry as a POINT.

integer **ST_Distance**(geometry, geometry): Returns the minimum 2D Cartesian distance between two geometries in projected units.