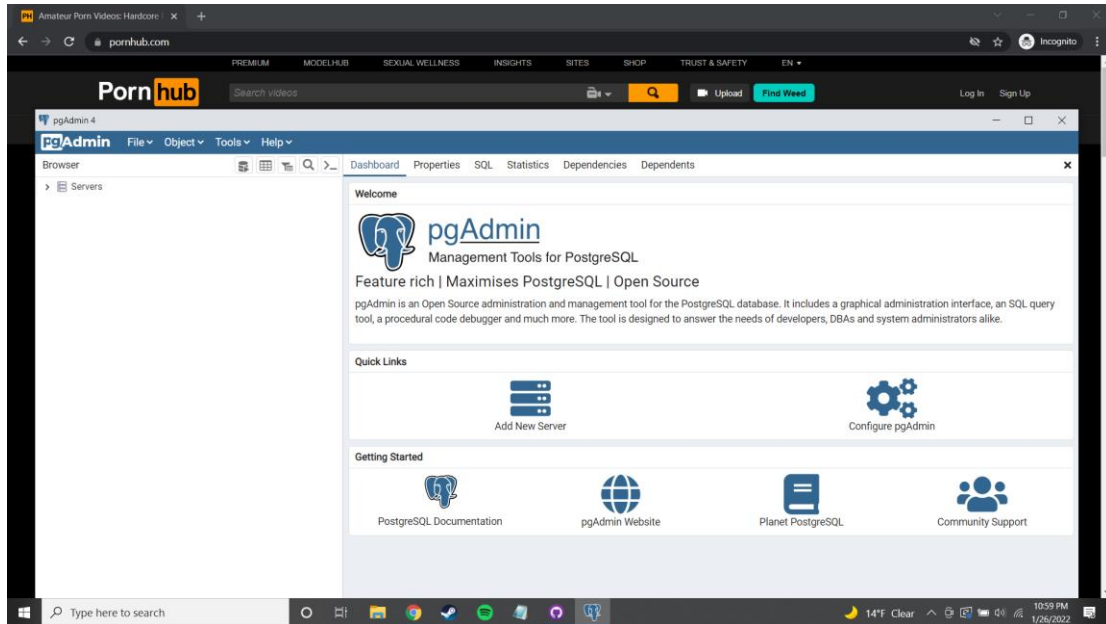


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CMPT308-111

Labouseur

Lab 1



- 1.
2. In Star Wars: Attack of the Clones, Obi-Wan Kenobi searches the Jedi database in an attempt to find the planet Kamino. The database is accessed through three-dimensional modeling, operating similarly to a map. In this database, the data is comprised of coordinates, names, and classification (star, planet, comet, etc.). This data is processed into information by pairing the proper coordinates to their entity's name and classification, then displaying these systems graphically. Though I do not know how the Jedi coordinate system works, it would be reasonable to consider the coordinates as useless data, because coordinates can only be expressed in relation to another location. Thus, the database must have some key for the coordinates which expresses the origin of the coordinate grid in use. Using this, the coordinates of a planet in question can be understood as information necessary to chart a course there.
3. The hierarchical model operates in levels or segments where at each level, a single node has multiple sublevels. I like to think of this organizational model as a pyramid scheme, as each member can have only one parent. The network model streamlines this by allowing nodes of lower levels to share parent segments. The relational model instead uses tables of attributes and tuples to organize a database.