Databases and SQL Scripting.

By Robert Gabriel

Information

# Lector

Email: Arthur .Tobin@cit.ie

Office: B179

Classes: Tuesday 11 am b188

Wednesday 11 am A183

Book: Database systems 5th Edition by Thomas Connolly and Carolyn Begg

## Assessments:

Week 5 SQL;

Databases

# Databases

## Overview

A database is an organized collection of [data](http://en.wikipedia.org/wiki/Data_(computing)). The data are typically organized to model relevant aspects of reality in a way that supports processes requiring this information. For example, modeling the availability of rooms in hotels in a way that supports finding a hotel with vacancies.

SQL

# SQL

## Overview

SQL stands for Structured Query Language

SQL lets you access and manipulate databases

SQL is an ANSI (American National Standards Institute) standard

## Minor Tips

SQL can execute queries against a database

SQL can retrieve data from a database

SQL can insert records in a database

SQL can update records in a database

SQL can delete records from a database

SQL can create new databases

SQL can create new tables in a database

SQL can create stored procedures in a database

SQL can create views in a database

SQL can set permissions on tables, procedures, and views

## Update

## Delete

## Insert