**Course Objectives**

In this course, we are going to focus on **five** learning objectives:

1. Know what tables are and write basic SELECT statements
2. Use wildcard characters for pattern matching, and sort query results
3. Add data to a database with INSERT statements
4. Delete data from a database with DELETE statements
5. Join tables together to produce meaningful reports

By the end of this course, you will be able to maintain the data in any relational database and be able to create useful reports and lists.

**Course Structure**

This course is divided into 3 parts:

1. Course Overview: This introductory reading material.
2. **Introduction to Relational Database and SQL:** This is the hands on project that we will work on in Rhyme.
3. Graded Quiz: This is the final assignment that you need to pass in order to finish the course successfully.

**Project Structure**

The hands on project on **Introduction to Relational Database and SQL** is divided into following tasks:

**Task 1: Know what tables are and write basic SELECT statements**

**Task 2: Use wildcard characters for pattern matching, and sort query results**

**Task 3: Add data to a database with INSERT statements**

**Task 4: Delete data from a database with DELETE statements**

**Task 5: Join tables together to produce meaningful reports**

**Meet the Instructor**

*Harrison is a mobile application and website developer in the Los Angeles area. He has a bachelor degree of computer science from the University of Massachusetts. As a seasoned software engineer, he has spearheaded many technologies including media streaming, global positioning system, and remote vehicle control systems. You can find out more about him and his work at his website www.skyroute66.com.*

**Introduction to Relational Database and SQL**

Now we will build a billing report and a club member roster. We will accomplish it in by completing each task in the project:

* Introduction
* Know what tables are and write basic SELECT statements.
* Use wildcard characters for pattern matching, and sort query results
* Add data to a database with INSERT statements
* Delete data from a database with DELETE statements
* Join tables together to produce meaningful reports

While you are watching me work on each step, you will get a cloud desktop with all the required software pre-installed. This will allow you to follow along the instructions to complete the above mentioned tasks. After all, we learn best with active, hands-on learning