

# SQL Basic Skills



**Course Duration:** 3 days

## Description

Retrieving the correct data at the correct time from a database and delivering it to the intended audience is a crucial component of any interactive system. SQL is the language that allows this to happen. This course will provide the student with an overview of database manipulation using SQL statements.

## Audience

Advanced HTML developers.

## Prerequisites

A familiarity with the fundamentals of relational databases and HTML forms.

## Objective

Upon completion of this course, the student will be able to:

- Insert data into a database
- Edit existing data in a database
- Delete data from a database
- Query the database using SQL statements

## Course Outline

1. **Getting Started**
  - An overview of relational databases
  - An introduction to SQL
  - Sample database design
2. **Constructing Basic Queries**
  - Building queries
  - Restricting query results
  - Manipulating query results
3. **Making Complex Queries**
  - Querying multiple tables
  - Making nested queries
4. **Manipulating Data**
  - Adding data to a database
  - Modifying existing data
  - Deleting data in a database