

CMPS 3680 Homework 6

Spring 2026

Intro to SQL

- [SQL Introduction](#)
- [RDBMS & Relational Data](#)
- [Syntax](#)
- [Data types](#)
- [Constraints](#)

Tables

- [Creating tables](#)
- [Dropping tables](#)
- [Altering existing tables](#)
- [Primary Keys](#)
- [Foreign Keys](#)
- [Auto Increment](#)

Using Timestamps

In most cases, I recommend including createdAt and updatedAt columns in all of your tables like this:

```
CREATE TABLE example (  
  <... other fields ...>  
  createdAt datetime DEFAULT NOW(),  
  updatedAt datetime ON UPDATE NOW()  
);
```

Standard Queries

- Adding records: [INSERT](#)
- Retrieving records: [SELECT](#) | [SELECT DISTINCT](#)
- Changing records: [UPDATE](#)
- Removing records: [DELETE](#)
- Targeting specific records in queries: [WHERE](#)
- Sorting results: [ORDER BY](#)
- Aggregate functions: [COUNT\(\)](#) | [AVG\(\)](#) | [SUM\(\)](#)

Joins

- [Intro to joins](#)
- [Inner Join](#)
- [Left Join](#)
- [Right Join](#)
- [Full \(Cross\) Join](#)