

# SQL Transactions

The main point of these exercises is to give you a good understanding of SQL-Transactions, as well as the ACID concept.

## Defining the simulation

- In groups of two to three people, discuss the four parts of the ACID concept (A, C, I, D) and how you would simulate them in four different examples/simulations. (One for “Atomicity”, one for “Consistency”, one for “Isolation” and one for “Durability”)
- Write down your solution on a piece of paper and make sure that everyone in your group understands the purpose of ACID and how your simulation is going to prove the concept.

## Implementing the POC

Create a database that you can use for your POC. You can either use Azure, a local DB or something completely different – The choice is yours!

- Make an implementation of you POC/simulation in C#.
- Make sure that everyone in your group understands what is going on and how your POC/simulation is working.