C#/ SQL+ RDBMS

1. C#
   1. **Delegates** = a reference type that refers to a particular method with a specific return type and parameters
      1. Properties:
         1. Can be static or instantiable
         2. Can be assigned any method that matches the delegate type and is accessible
         3. Fully OO and encapsulate an object instance and method
            1. When instantiated, they’re invokable as if it were the method
         4. “Chainable” – allowing for multiple methods for a single event
      2. Str:
         1. Pass precise methods as arguments for other methods
            1. **Callback functions**
         2. Flexible via **covariance** and **contravariance**
      3. Lim:
      4. **Action delegates** vs **Function delegates**
      5. **Async/await**
      6. Threads
   2. XML
   3. Event Handlers
   4. Lambda Expressions
   5. **Predicate**
2. SQL + Database Management
   1. **Normalization**
   2. **DML**
   3. RDBMS
   4. ACID
   5. Repo Pattern
   6. Dependency Injection
   7. ORM
   8. EF
   9. Fluent API
   10. Scaffolding
   11. Input Validation