Demo 1: ESENT

* Demo the stock example
* An embedded database - Show the location of the .edb file
* Show the code. => NoSQL databases without frills.
  + Feels like working with C++ or lower language (many argument methods, weird naming, all caps)
* Poor documentation for storage engines (you’ll never find a book on this stuff).
* Be careful about threading issues.

Demo 2: Redis

* Spin up Redis server and client.
* Demo most basic Console app.
* Demo the Redis Web store: The power of Redis is data structures – queues, stacks, sets.
* Open up redis-cli and type **monitor**
* Walk thru store reviews demo in VS => Demonstrate a pattern for NoSQL usage for .NET.

Demo 3: MongoDB

* Make sure MongoDB is started as a service
* Commands
  + **show dbs**
  + **use test** // In the mongo shell, db is the variable that references the current database. The variable is automatically set to the default database test or is set when you use the use <db> to switch current database.
  + **show collections**
  + **db.stats()**
  + db.counter2.drop()
  + db.friends.insert({“firstname” : “Rob”, “lastname” : “Stark”} )
  + db.friends.insert({“firstname” : “Jon”, “lastname” : “Snow”, “age” : 26} )
  + db.friends.insert({“firstname” : “Jim”, “lastname” : 44} )
  + for(i=0;i<1000000;i++) { db.foo.insert({"bar": i} ) }
  + db.foo.count()

db. foo.find().explain("executionStats")  
  
db.foo.createIndex( { "foo" : 1 } ) // create indexes

db.counter.find().explain("executionStats")

Demo 4: Elasticsearch

* Fire up Elasticsearch and Kibana (make sure I’ve run all these queries already once so it’s in memory)
* Then go to <http://localhost:5601/app/sense>
* Do some basic querying against the movies database or add stuff.

Demo 5: Neo4J

* Spin up Neo4J community edition and connect to movie database
* Just mess around and show the tags, then some bookmarked queries, understanding the results, etc.
* Then navigate to Gists out there (Game of Throne, Star WarsDemo 6: Apache Caqssandra
* MAKE SURE: I have already run the WinForms loader so the database has populated
* Mess around in the console => CQL
* Probably just go through the queries in the CQL GUI tool
  1. SELECT \* FROM users;
  2. SELECT \* FROM followed where username = ‘Molly’;
  3. SELECT \* FROM posts;
  4. SELECT \* FROM posts where username = ‘Jimmy’;