

MONGODB

INSERTING DOCUMENTS

SELECTING A DATABASE

- ▶ `use('database_name')`

INSERTING A SINGLE DOCUMENT

► db

INSERTING A SINGLE DOCUMENT

► `db.collection.`

INSERTING A SINGLE DOCUMENT

- ▶ `db.collection.insertOne()`
- ▶ <https://docs.mongodb.com/manual/reference/method/db.collection.insertOne/>

DEMONSTRATION

OBSERVATIONS

- ▶ Database creation is implicit
- ▶ Collection creation is implicit (can be created explicitly when required).
- ▶ Identifier is automatically assigned
- ▶ Documents do not have to share the same structure (compare to SQL)
 - ▶ Complicates querying
 - ▶ Fits well with Object-oriented Polymorphism
 - ▶ Easy to experiment with data structures
 - ▶ Versioning/migrating data structures is up the end user
- ▶ We can call `drop()` to remove all existing documents in a collection

INSERTING MULTIPLE DOCUMENTS SIMULTANEOUSLY

- ▶ `db.collection.insertMany()`
- ▶ <https://docs.mongodb.com/manual/reference/method/db.collection.insertMany/>
- ▶ Insertion can be ordered or unordered
- ▶ Ordered insertion will stop at the first error
- ▶ Unordered insertion will attempt to insert all documents

DEMONSTRATION

PRACTICAL

- ▶ Experiment with inserting multiple documents
- ▶ Test ordered and unordered insertion. Inspect the results.
- ▶ Continue modelling the receipt
- ▶ Stretch goal: model something you are interested in

OBSERVATIONS

- ▶ Inserting multiple documents at once saves on round trips to the database