Installing MongoDB

1) Go to MongoDB Download Center (https://www.mongodb.com/download-center) and click "Server"
   - MongoDB Community Server
   - Version: "4.2.7 (current release)"
   - Package: "MSI" if using Windows OS
2) Click "Download" and then install MongoDB
   - Mac: Install MongoDB to your home directory
   - Windows:
     - Choose Setup Type: Complete
     - Service Configuration: Leave selected defaults
     - Install MongoDB Compass: Install MongoDB Compass (optional - not necessary)
     - After successful installation, MongoDB Compass should be launched (if installed). Close Compass window.

Configuring mongo Shell - Windows

1) Add path to MongoDB executable bin folder (something like "C:\Program Files\MongoDB\Server\4.2\bin" if defaults were used in installation) as a "Path" system environment variable
   (Help setting PATH variable:
   https://www.architectryan.com/2018/03/17/add-to-the-path-on-windows-10/)
2) Close any open command prompt windows (environment variables will not be reloaded while there are open command prompt windows)
3) Start command prompt window and type mongo --help. If you see MongoDB shell version v4.2.7 followed by a list of usage notes then the mongo Shell has been configured properly.

Configuring mongo Shell - Mac

1) Add path to MongoDB executable bin folder (something like "~/mongodb-osx-ssl-x86_64-4.2.7/bin" if installed to home folder) as a "Path" system environment variable. Best way is probably to use .bash_profile file in the home directory. You can create the file if it's not already there.
2) Close any open terminal windows (bash profile will not be reloaded while there are open terminal windows)
3) Start terminal window and type mongo -- help. If see MongoDB shell version v4.2.7 followed by list of usage notes then the mongo Shell has been configured properly.

Create an Atlas Sandbox Cluster

1) Register for an account with Atlas (https://www.mongodb.com/cloud/atlas)
    ○ After signing in click "Build a Cluster"
    ○ Select "Shared Clusters"
    ○ In "Create a Starter Cluster" page
        ■ Cloud Provider & Region: AWS and N. Virginia (us-east-1)
        ■ Cluster Tier: Shared and M0 Sandbox
        ■ Additional Settings: No to everything
        ■ Cluster Name: Sandbox
2) Click "Create Cluster" and then wait for cluster to be set up - will take a couple of minutes
3) On left side menu under Security click "Database Access"
    ○ "Add New Database User"
        ■ Authentication Method: Password
        ■ Password Authentication
            m001-student
            m001-mongodb-basics
        ■ Database User Privileges: Atlas admin
    ○ "Add user"
4) On left side menu unser Security click "Network Access"
    ○ "Add IP Address"
        ■ "Allow Access from Anywhere"
    ○ "Confirm"
5) Go back to "Atlas" -> "Clusters" from left side menu. Select "Connect"
    ○ "Connect with Mongo Shell"
    ○ Don't do Steps 1) and 2) in prompt. Just copy connection command under Step 3).
6) Paste copied connection command into command prompt/terminal. Also paste the connection command in a place/document readily available. You will be using this command in the workshop
    ○ When prompted for password enter m001-mongodb-basics
7) If successfully connected, after some connection log lines should see:
MongoDB Enterprise Sandbox-shard-0:PRIMARY>