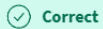**Your grade: 100%**

Your latest: **100%** • Your highest: **100%** • To pass you need at least 60%. We keep your highest score.

[**Next item** →]

---

1. Select the answer that defines Mongo shell.   1 / 1 point

   ⦿ Mongo shell is a tool provided by MongoDB to interact with your databases.

   ○ Mongo shell is the default database.

   ○ Mongo shell is a graphical user interface.

   ○ Mongo shell is a stock market aggregator.

   ✓ **Correct**
   Correct! Mongo shell is a command line tool that MongoDB provides to connect with your databases.

2. MongoDB uses compound indexing. What is special about a compound index?   1 / 1 point

   ○ Compound indexes perform in-memory sort.

   ○ MongoDB stores compound indexes in graph form.

   ⦿ MongoDB compound indexes index more than one field.

   ○ MongoDB compound indexes use single fields.

   ✓ **Correct**
   Correct! MongoDB compound indexes index multiple fields, not just one field.

3. An aggregation pipeline is a series of operations that you apply to your data to get a desired result. What does the following operation do?   1 / 1 point

   > db.courseResults.aggregate([

   { $match: { "year": 2020 } },

   { $group: { "_id": "$courseId", "avgScore": { $avg: "$score"} } }

   ])

   ⦿ Filter 2020 documents, group these documents by course, then calculate the average student score per course in that year.

   ○ Filter 2020 documents, group these documents by course, and display the resultant list as an outcome.

   ○ Filter 2020 documents, group these documents by average score, and display this list in ascending order of average scores.

   ○ Filter 2020 documents, group these documents by course, and then displays the student ID, course ID, and average score of all 2020 documents in a tabular format.

   ✓ **Correct**
   Correct! This operation first filters out all 2020 documents, then groups these filtered-out documents by Course ID, and then calculates the average student score per year.

4. Fill in the blank. A MongoDB Replica Set is a collection of data-bearing nodes _____.   1 / 1 point

   ⦿ Where each node is either a primary node or a secondary node, and each node maintains a copy of the same data

   ○ Providing horizontal scaling to increase capacity

   ○ With each node being a primary node, allowing you to apply changes

   ○ Providing multiple copies just in case you accidentally delete your data

   ✓ **Correct**
   Correct! A typical MongoDB cluster is made of three data-bearing nodes. All three nodes have the same data, hence the name replica set.

5. What does the following operation in Python do?

1 / 1 point

customers.count_documents({"lastName": "Smith"})

○ This operation returns the first document in natural order (the order in which the database refers to documents on disk), which has the last name Smith.

○ This operation allows you to insert the column "customers_list" in the database.

◉ This operation counts the number of customers with the last name Smith and returns the number of records found as an outcome.

○ This operation updates the customer list with customer information in the "customers_list" field.

⊘ **Correct**
Correct! This operation will count the number of customers with the last name Smith and return the number value.