* Getting started with faker
* Setup Mongodb Database and collection
* Overview of Mongo DB CRUD Operations
* Create index on month and day of month
* Generate test data using faker
* Getting started with pymongo
* Populate generated data into Mongo Collection
* Validate data in Mongo Collection
* Exercise and Solution

1. Which programming language is Faker primarily used with?

a. Java

b. Python

c. C++

d. Ruby

Answer: b. Python

1. Which programming languages can be used to interact with MongoDB?

a. Python and Ruby

b. Java and C++

c. JavaScript and PHP

d. All of the above

` Answer: d. All of the above

1. Which MongoDB operation is used to create a new document in a collection?

a. find()

b. insert\_one()

c. update\_one()

d. delete\_one()

Answer: b. insert\_one()

1. What is the syntax for creating an index on multiple fields in MongoDB?

a. db.collection.create\_index([(field1,field2)])

b. db.collection.create\_index([(field1, direction1), (field2, direction2)])

c. db.collection.create\_index([(field1),(field2)])

d. db.collection.create\_index([(field1),(field2), (field3)])

Answer: b. db.collection.create\_index([(field1, direction1), (field2, direction2)])

1. Which of the following is NOT a type of fake data that can be generated with Faker?

a. Names

b. Addresses

c. Emails

d. Social Security Numbers

Answer: d. Social Security Numbers

1. What is the syntax for connecting to a MongoDB database using PyMongo?

a. client = MongoClient("mongodb://localhost:27017/")

b. client = MongoClient("<http://localhost:27017/>")

c. client = MongoClient("mongodb:localhost:27017")

d. client = MongoClient("localhost:27017")

Answer: a. client = MongoClient("mongodb://localhost:27017/")

1. How do you insert multiple documents into a MongoDB collection using PyMongo?

a. collection.insert\_one(document)

b. collection.insert\_many(document)

c. collection.insert(document)

d. collection.create(document)

Answer: b. collection.insert\_many(document)

1. How do you filter documents in a MongoDB collection using PyMongo?

a. By passing a filter argument to the find() method

b. By calling the filter() method on the collection object

c. By calling the where() method on the collection object

d. By running a SELECT query using the PyMongo driver

Answer: a. By passing a filter argument to the find() method

1. Which MongoDB operation is used to update a document in a collection?

a. insert\_one()

b. find()

c. update\_one()

d. delete\_one()

Answer: c. update\_one()

1. Which of the following is NOT a type of fake data that can be generated with Faker?

a. Names

b. Dates

c. Emails

d. Images

Answer: d. Images