### Quiz: Database (MongoDB)

1. What is the name of the official MongoDB driver for Python?

- A) MongoPython

- B) PyMongoDB

- C) MongoDB-Py

- D) PyMongo

2. How do you connect to MongoDB using PyMongo in Python?

- A) By using the connect() method

- B) By using the PyMongo() method

- C) By using the MongoClient() method

- D) By using the MongoDB() method

3. How do you access a collection in MongoDB using PyMongo in Python?

- A) By using the collection() method

- B) By using the get\_collection() method

- C) By using the get\_database() method

- D) By using the database[collection] syntax

4. How do you insert a document into a collection in MongoDB using PyMongo in Python?

- A) By using the insert\_one() method

- B) By using the insert() method

- C) By using the save() method

- D) By using the add() method

5. How do you query documents from a collection in MongoDB using PyMongo in Python?

- A) By using the find() method

- B) By using the query() method

- C) By using the get() method

- D) By using the select() method

6. What is MongoDB?

- A) A relational database management system

- B) A document-oriented database management system

- C) A graph database management system

- D) A key-value store database management system

7. What is a collection in MongoDB?

- A) A database

- B) A table

- C) A set of documents

- D) A set of rows

8. What is a document in MongoDB?

- A) A row

- B) A tuple

- C) An instance of data

- D) A JSON-like structure

9. What is the default storage engine for MongoDB?

- A) RocksDB

- B) WiredTiger

- C) InnoDB

- D) MyISAM

10. What is the purpose of the MongoDB aggregation framework?

- A) To perform complex data processing on collections

- B) To enforce data consistency and integrity

- C) To manage transactions and rollbacks

- D) To define indexing strategies

### Answers

1. \*\*D) PyMongo\*\*

- The official MongoDB driver for Python is called PyMongo.

2. \*\*C) By using the MongoClient() method\*\*

- To connect to MongoDB using PyMongo in Python, you use the MongoClient() method.

3. \*\*D) By using the database[collection] syntax\*\*

- To access a collection in MongoDB using PyMongo in Python, you use the database[collection] syntax.

4. \*\*A) By using the insert\_one() method\*\*

- To insert a document into a collection in MongoDB using PyMongo in Python, you use the insert\_one() method.

5. \*\*A) By using the find() method\*\*

- To query documents from a collection in MongoDB using PyMongo in Python, you use the find() method.

6. \*\*B) A document-oriented database management system\*\*

- MongoDB is a document-oriented database management system.

7. \*\*C) A set of documents\*\*

- A collection in MongoDB is a set of documents.

8. \*\*D) A JSON-like structure\*\*

- A document in MongoDB is a JSON-like structure.

9. \*\*B) WiredTiger\*\*

- The default storage engine for MongoDB is WiredTiger.

10. \*\*A) To perform complex data processing on collections\*\*

- The purpose of the MongoDB aggregation framework is to perform complex data processing on collections.