For this week’s discussion board assignment, research MongoDB and answer the following questions:

1. **What is MongoDB?** MongoDB is a is a NoSQL document database. It can be used for large volumes of data storage. MongoDB uses colleges and documents instead of tables and rows. (Guru99)
2. **What are the key features of MongoDB?** There are several key features of MongoDB one of them is that it is schema-less. This means that its quite a bit more flexible than other types of databases. Another feature of MongoDB is indexing. Indexes help to improve performance of searches. (Arora, M)
3. **Select two MongoDB data types and explain what they are, how they are used, and why they are important.**

* Array – An array is important because they can store multiple values into one single document. They are used to store multiple pieces of data of the same type. (Sharma, A.)

var arrayQulifcations = [“BAC”,MCA];

db.TestCollection.insert ({“Object data type” : “This is an example of Array DataType”, “Qualifications”:arrayQualification})

WriteResult({ “nInserted” : 1 }0

Db.TestCollection.find().pretty()

{“\_id” : ObjectId(“5bf10249e99ced7b32e66c3d”),

“Object data type” : “This is an example of Array DataType”,

“Qualification” : [ “BCA”, “MCA” ]}

* Double – Double data type is used to store floating values. This is important MongoDB stores several data types. (Sharma, A.)

db.TestCollection.insert({“double data type” :123.45})

WriteResult ({ “nInsterd” : 1})

Db.TestCollection.find()

{ “ id” : ObjectId(“5bf0fc0ae99ced7b32e66c3a”), “double data type” : 123.45 }

When answering question three (3), provide an example, in code, of the selected data type.

Bibliography

Arora, M. (2019, August 3). What Are The Top 10 Key Features Of MongoDB? Retrieved July 26, 2020, from https://www.tutorialsjar.com/key-features-of-mongodb/

Guru99. (2020). What is MongoDB? Introduction, Architecture, Features & Example. Retrieved July 26, 2020, from https://www.guru99.com/what-is-mongodb.html

Sharma, A. (2019, November 11). Data Types in MongoDB - DZone Database. Retrieved July 26, 2020, from https://dzone.com/articles/data-types-in-mongodb