Homework #7

Q1. Following represent column in NoSQL

a. Database
b. Document
c. Collection
d. Field

Sol). d. Field

Q.2 Which of the following statements is true about the NoSQL databases?

a. Do not support SQL functions.
b. Cannot be used in conjunction with RDBMS.
c. Are most commonly used databases of today.
d. Are useful for supporting large distributed data sets.

Sol). d. Are useful for supporting large distributed data sets.

Q.3 What is NoSQL database?

a. NoSQL is a database that is built on ways and means with addition to tables, columns and relationships.
b. NoSQL is database that is built with enhancements to DBMS.
c. NoSQL is a database that is built on ways and means other than tables and columns.
d. NoSQL is a database is an enhanced form of RDBMS.

Sol). C. NoSQL is a database that is built on ways and means other than tables and columns.

Q.4 Which scenario is best suited for NoSQL?

a. When dealing with large data sets.
b. When providing data integrity.
c. When data retrieval speed can be variable.
d. When low level of security is needed.

Sol). A. When dealing with large data sets.

Q.5 Which of the following is not a valid data structure for NoSQL db?

a. Key / Value based
b. Graph based
c. Column based
d. Table based.

Sol). D. Table based.

Q.6 Which of the following is not a reason NoSQL has become a popular solution for some organizations?

a. **Better scalability**
b. **Improved ability to keep data consistent.**
c. **Faster access to data than relational database management systems (RDBMS)**
d. **More easily allows for data to be held across multiple servers**

Sol). B. Improved ability to keep data consistent.

Q.7 NoSQL can be referred to as:

a. No SQL
b. Not Only SQL
c. SQL Undefined
d. Only SQL

Sol). B. Not Only SQL

Q.8 A _____ is probably the simplest NoSQL solution

a. Graph
b. Document
c. Key-Value
d. Column Family

Sol). C. Key-Value

Q.9 What is the SQL server equivalent to the following Mongo DB query

>db.student.find({"age": {$gte : 12}}}).pretty();

a. SELECT * FROM student WHERE age >12
b. SELECT * FROM student WHERE age >=12
c. SELECT * FROM age WHERE student >12
d. SELECT top 12 FROM student WHERE age >12

Sol). B. SELECT * FROM student WHERE age >=12

Q. 10 What is the SQL server equivalent to the following Mongo DB query.

>db.student.find({"age": { $not: {$lt : 12}}}).pretty();

a. SELECT * FROM student WHERE age !<12
b. SELECT * FROM student WHERE age <12
c. SELECT * FROM student WHERE age >12
d. SELECT * FROM student WHERE age !=12

Sol). A. SELECT * FROM student WHERE age !<12