**Assignment # 1 - Introduction to Databases and DBMS (will be putting it in a quiz format)**

1) What is the most common type of Database Model is ?

a) Hierarchical

b) Network

c) **Relational**

d) Object-Relational

e) Object Oriented

f) NO SQL Databases

2) A [RELATIONAL DATABASE](http://csmoodle2.kennesaw.edu/mod/assignment/view.php?id=648) can be seen as

a)  Many unrelated tables

b) 10 or more tables

c)  **Tables related to each other through a common column**

3) Who is the creator of the Relational Model.

a) Michael Stonebraker, creater of INGRES and POSGRES

b) Alan Kay and Adelle Goldberg, Xerox  PARC

c) William Shockley, inventor of the transistor

d) Steve Wozniack and Steve Jobs, [APPLE](http://csmoodle2.kennesaw.edu/mod/assignment/view.php?id=648) Corporation

e) **E.F. Codd, IBM researcher**

4) DBA stands for

a)  The three possible grades that a student can get in CIT365

b) Data Before Analysis

c) [**DATABASE ADMINISTRATOR**](http://csmoodle2.kennesaw.edu/mod/assignment/view.php?id=648)

5) Which is the most popular **personal** DBMS in the world

a) Oracle b) DB2

c) **MS-Access** d) MySQL

6) Which are typical tasks of a DBA

a) Startup and Shutdown the Database

b) [INSTALL](http://csmoodle2.kennesaw.edu/mod/assignment/view.php?id=648) new versions of the DBMS

c) Participate in the Design and Redesign of the Database

d) Perform Backup

e) **All of the Above**

7)  List three popular **enterprise** DBMS  **Oracle, MySql, MS SQLServer**\_\_\_\_\_\_\_\_\_

8) List the four different types of NOSQL Databases (models). **key-value store, document store, column-oriented database, and graph database**

10) The capacity to have two or more users/applications accessing the database at the same time is called

  a) **Concurrency** b) Consistency

c) Integrity d) Availabilty

11) Being able to trust that the data is correct and that the data will [CONTINUE](http://csmoodle2.kennesaw.edu/mod/assignment/view.php?id=648) to be correct after we modify it is called

  a) Concurrency b) Consistency

c) **Integrity** d) Availabilty

12) Metadata  is

a) Raw Data b) Any data stored in the Database

b) **Data about data**

13) Metadata is data that is inserted into the database by

a) the programmer b) by the DBA

c) **Only by the DBMS.**

When we insert data into the database, the DBMS inserts the corresponding meta data

14) In IT, the term High Level language means

a) closer to the computer’s language b) **closer to the human language**

15) In IT, the term logical means

a) viewed by the user b) **viewed by the computer**

16-20) True-False

16) A Database Model consists of several products with similar characteristics T

17) We can say the model was created Top-Down if it came before the products: T

18) We can say that the model was created Bottom-Up if the products came before the model: T

19) The Relational Model was the only one that was created top-down: T

20) The Relational Model is well fit for structured data: T

21) NOSQL stands for "Not-only" SQL and it has four sub-models:  key-value, document, graph and column **T**