## Quizzes: Chapter 14

1.	In a three-level DBMS architecture, the layer that interacts directly with the hardware is the level.  a. external
	b. conceptual
	c. internal
	d. physical Correct Answer: (c)
	Correct ranswer. (c)
2.	In a three-level DBMS architecture, the level determines where data is actually stored on the storage devices.  a. external
	b. conceptual
	c. internal
	d. physical
	Correct Answer: (c)
3.	The level of a three-level DBMS architecture defines the logical view of the data.
	a. external
	b. conceptual
	c. internal
	d. physical
	Correct Answer: (b)
4.	The data model and the schema of a DBMS are often defined at the level.
	a. external
	b. conceptual

c. internal d. physical Correct Answer: (b)
<ul> <li>5. In a three-level DBMS architecture, the level interacts directly with the users.</li> <li>a. external</li> <li>b. conceptual</li> <li>c. internal</li> <li>d. physical</li> <li>Correct Answer: (a)</li> </ul>
<ul> <li>6. Of the various database models, the model is the most prevalent today.</li> <li>a. hierarchical</li> <li>b. network</li> <li>c. relational</li> <li>d. linked list</li> <li>Correct Answer: (c)</li> </ul>
<ul> <li>7. Each column in a relation is called</li> <li>a. an attribute</li> <li>b. a tuple</li> <li>c. a union</li> <li>d. an attitude</li> <li>Correct Answer: (a)</li> </ul>
<ul> <li>8. Each row in a relation is called</li> <li>a. an attribute</li> <li>b. a tuple</li> <li>c. a union</li> <li>d. an attitude</li> <li>Correct Answer: (b)</li> </ul>
9. A unary operator is applied to relation(s) and creates an output of relation(s).

	a. one, one
	<b>b.</b> one, two
	c. two, one
	d. two, two
	Correct Answer: (a)
10.	A binary operator is applied to relations (s) and creates an
	output of relation(s).
	a. one, one
	<b>b.</b> one, two
	c. two, one
	d. two, two
	Correct Answer: (c)
11.	The unary operation always results in a relation that has
	exactly one more row than the original relation.
	a. insert
	b. delete
	c. update
	d. select
	Correct Answer: (a)
12	If you want to change the value of an attribute of a tuple, you use the
12.	operation.
	a. project
	b. join
	c. update
	d. select
	Correct Answer: (c)
	Confect Miswer. (c)
13.	The operation that takes two relations and combines them based on
	common attributes is the operation.
	a. join
	b. project
	c. union
	d. intersection

## **Correct Answer: (a)**

14.	If you need to delete an attribute in a relation, you can use the operation.
	a. join
	b. project
	c. union
	d. intersection
	Correct Answer: (b)
15.	You want to create a relation called New that contains tuples that
	belong to both relation A and relation B. For this, you can use the operation.
	a. select
	b. union
	c. project
	d. intersection
	Correct Answer: (d)
16.	Which of the following is a unary operator?
	a. intersection
	b. union
	c. join
	d. project
	Correct Answer: (d)
17.	Which of the following is a binary operator?
	e. select
	f. update
	g. difference
	h. all of the above
	Correct Answer: (c)
18.	is a declarative language used on relational databases.
	a. PDQ
	b. SQL

- c. LES
- d. PBJ

**Correct Answer: (b)**