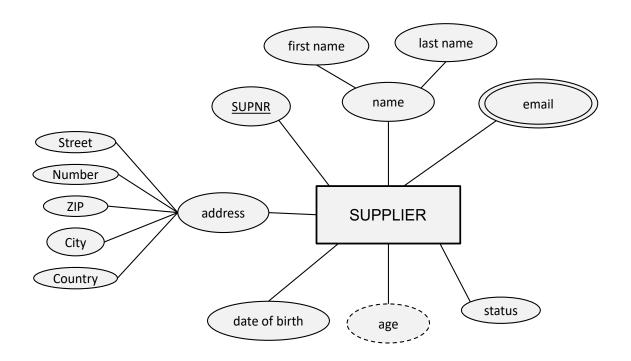
Student Name:		me: Student NETID:
1-		represents the data in the database at a moment.
	a.	Database model
	b.	Data Model
	c.	Database state
	d.	Database Schema
	e.	Data Integrity
2-	These a	are the main benefits of using DBMS to manage data in applications EXCEPT ?
	a.	Data Administration
	b.	Data Integrity and Security
	c.	Concurrent Access and Crash Recovery
	d.	Data Independence
	<mark>e.</mark>	Efficient Unstructured Data Access
3-	databa a. <mark>b.</mark>	S must guarantee that the changes made by incomplete transactions are removed from the se. To do so, DBMS maintains a of all writes to the databases. lock log checkpoint
	d.	buffer
	e.	view
4-	When	would you not store data in RDBMS?
	a. b. c. d. e.	An online store with a collection of data on customers, products, and employees. A company with a collection of 1 billion web pages. A university with a collection of data on students, professors and courses. An insurance company with a collection of data to be used for a credit scoring model. A hospital with a collection of data on patients, doctors and clinics.
5-	Inform	ation about the conceptual, external and physical schemas is stored in the system
	_	looks
	a. h	locks
	b.	logs
	C.	tables
	<mark>d.</mark>	catalogs
	e.	views

Stu	ident Name:	NetID:		
1-	The continue the relationship ty	of a relationship type corresponds to the number of entity types participating in upe.		
	a. degreeb. cardinalitic. domaind. aritye. role	es		
2-	column. High	latabases, refers to the uniqueness of data values contained in a means that the column contains a large percentage of totally unique means that the column contains a lot of "repeats" in its data range.		
	a. relationshb. rolec. domaind. unique kee. cardinality	У		
3-	A spe	ecifies a set of values that may be assigned to an attribute.		
	 a. relationsh b. role c. domain d. key e. cardinality 			
4-	Which one is the p	proper steps in database data model design?		
		<mark>al, Logical, Physical and External</mark> al, Logical, Physical and View		

c. Logical, Conceptual, Physical, Externald. External, Physical, Logical, Conceptuale. Database, Tables, Columns, Rows, Values

- 5- ______ specify the minimum or maximum number of relationship instances that an individual entity can participate in.
 - a. Cardinalities
 - b. Degrees
 - c. Roles
 - d. Arity
 - e. Locks
- 6- These are all limitations of ER model **EXCEPT**?
 - a. Functions are not included in the ER model
 - b. ER model cannot model temporal constraints
 - c. ER model cannot model weak entities
 - d. Domains are not included in the ER model
 - e. ER model cannot guarantee the consistency across multiple relationship types
- 7- Use the following ER diagram and fill in the blank.
 - a. **SUPLLIER** is an Entity Type
 - b. **SUPNR** is a Key Attribute Type
 - c. Age is a Derived Attribute Type
 - d. Address (or name) is a Composite Attribute Type
 - e. **Email** is a Multi-Valued Attribute Type
 - f. Status (or date of birth) is a Single-Valued Attribute Type



Student Name:			NetID:
1-	These	e are all	related to integrity constraint EXCEPT ?
	a	a. Prima	ary key
	b	o. Uniqu	
	c		r <mark>ity key</mark>
	d	d. Checl	
	e	e. Not N	Iull
2-	Α		is a question about the data, and the answer consists of a new relation containing the
	resul	t.	
	a	a. relati	on type
		o. entity	••
			raint rule
			onship sets
	e	e. relati	<mark>onal database query</mark>
3-	Fill th	ne blank	for [SELECT FROM WHERE].
	a	a. Entiti	es, Attributes, Filters
	b	o. Attrik	outes, Entities, Filters
	С	. Attrib	outes, Joins, Filters
	d	d. Entiti	es, Attributes, Joins, Filters
	е	e. None	of the above
4-	Whic	ch Norma	al Form takes care of dependency of a prime attribute to a non-prime attribute?
	а	a. 1NF	
		o. 2NF	
	С	. 3NF	
	d	d. 4NF	
	e	e. BCNF	
_	•		
5-	A nor	n-prime a	attribute is
			tribute that is a part of one of the candidate keys
	b	o. a set	of attributes which can uniquely identify a tuple

d. an attribute which is not part of any candidate key

c. the minimal set of attributes which can uniquely identify a tuple

6-		is not a DML statement.			
	a.	SELECT			
	b.	DELETE			
	C.	UPDATE			
	d.	DROP			
	e.	INSERT			
7-	Which	Vhich join method is valid?			
	a.	Left Join			
	b.	Right Join			
	C.	Inner Join			
	d.	Full Join			
	<mark>e.</mark>	All of the above			
8-		is not a DLL statement.			
	a.	CREATE TABLE			
	b.	ALTER INDEX			
	c.	DROP TABLE			
	d.	DELETE FROM			
	e.	CREATE VIEW			
9-		is a process of organizing the data in database to evold data radius dance and insertion			
<i>3</i> -		is a process of organizing the data in database to avoid data redundancy and insertion, and deletion anomaly.			
	a.	Clustered Index			
	b.	Normalization Normalization Normalization			
	c.	ACID			
	d.	ER Diagram			
	e.	Integrity enforcement			
10-	failure:	means that the results of applying a transaction are permanent, even in the presence of s.			
	a.	Integrity			
	b.	Atomicity			
	C.	Consistency			
	d.				
	e.	<mark>Durability</mark>			