

Name: Answer Sheet

Date: 07/08/2016

Quiz name: Module 3: Data Manipulation, Constraints, and Transactions

Score: 100%

- ✓ 1. What type of constraint ensures values in a column must reference an existing record in another table?
- ☐ A Primary Key
 - ☒ B Foreign Key
 - ☐ C Check Constraint
 - ☐ D Not Null Constraint
 - ☐ E Unique Constraint
 - ☐ F I don't know

- ✓ 2. Primary Key Fields can contain NULL values.
- ☐ A True
 - ☒ B False

- ✓ 3. Foreign Key columns can the same values across different rows.
- ☒ A True
 - ☐ B False

```
INSERT INTO person ( person_id, last_name, middle_name, first_name )  
VALUES ( 100, 'Thoreau', 'Henry', 'David' );
```

```
SELECT first_name  
FROM person  
WHERE person_id = 100;
```

- ✓ 4. What value would be returned by the SELECT statement?
- ☐ A Henry
 - ☒ B David
 - ☐ C Thoreau
 - ☐ D I don't know

```
INSERT INTO person ( person_id, first_name, middle_name, last_name )  
VALUES ( 101, 'Emerson', 'Ralph', 'Waldo' );
```

```
SELECT first_name  
FROM person  
WHERE person_id = 101;
```

- ✓ 5. What value would be returned by the SELECT statement?
- ☐ A Ralph
 - ☐ B Waldo
 - ☒ C Emerson

D I don't know

Assume the data pictured was stored in a table named "president".

How many rows would be left in the table after the following statement was run?

- ✓ 6. DELETE FROM president;

0

FIRST_NAME	LAST_NAME	NUMBER	TERM_BEGIN	TERM_END
George	Washington	1	1789-04-30	1797-03-04
John	Adams	2	1797-03-04	1801-03-04
Thomas	Jefferson	3	1801-03-04	1809-03-04
James	Madison	4	1809-03-04	1817-03-04
James	Monroe	5	1817-03-04	1825-03-04

Assume the data pictured was stored in a table named "president".

How many rows would be left in the table after the following statement was run?

- ✓ 7. DELETE FROM president
WHERE first_name LIKE 'J%';

2

FIRST_NAME	LAST_NAME	NUMBER	TERM_BEGIN	TERM_END
George	Washington	1	1789-04-30	1797-03-04
John	Adams	2	1797-03-04	1801-03-04
Thomas	Jefferson	3	1801-03-04	1809-03-04
James	Madison	4	1809-03-04	1817-03-04
James	Monroe	5	1817-03-04	1825-03-04

Assume the data pictured was stored in a table named "president".

If the following UPDATE statement were run:

- ✓ 8. UPDATE president
SET first_name = 'Jim'
WHERE first_name = 'James'
AND number < 5;

What value would be returned by the following SELECT statement?

SELECT first_name
FROM president
WHERE last_name = 'Monroe';

James

FIRST_NAME	LAST_NAME	NUMBER	TERM_BEGIN	TERM_END
George	Washington	1	1789-04-30	1797-03-04
John	Adams	2	1797-03-04	1801-03-04
Thomas	Jefferson	3	1801-03-04	1809-03-04
James	Madison	4	1809-03-04	1817-03-04
James	Monroe	5	1817-03-04	1825-03-04

Assume the data pictured was stored in a table named "president".

If the following UPDATE statement were run:

- ✓ 9. UPDATE president
SET number = number * 2;

What value would be returned by the following SELECT statement?

SELECT last_name
FROM president
WHERE number = 4;

Adams

FIRST_NAME	LAST_NAME	NUMBER	TERM_BEGIN	TERM_END
George	Washington	1	1789-04-30	1797-03-04
John	Adams	2	1797-03-04	1801-03-04
Thomas	Jefferson	3	1801-03-04	1809-03-04
James	Madison	4	1809-03-04	1817-03-04
James	Monroe	5	1817-03-04	1825-03-04

Assume the data pictured was stored in a table named "president".

If the following series of statements were run:

- ✓ 10. BEGIN TRANSACTION;
UPDATE president

```
SET number = number * 2;
```

```
ROLLBACK;
```

What value would be returned by the following SELECT statement?

```
SELECT last_name  
FROM president  
WHERE number = 4;
```

Madison

FIRST_NAME	LAST_NAME	NUMBER	TERM_BEGIN	TERM_END
George	Washington	1	1789-04-30	1797-03-04
John	Adams	2	1797-03-04	1801-03-04
Thomas	Jefferson	3	1801-03-04	1809-03-04
James	Madison	4	1809-03-04	1817-03-04
James	Monroe	5	1817-03-04	1825-03-04