socrative by MasteryConnect

## Module 2 - Ordering, Grouping, and Functions 100% (8/8)

✓ **1. Assume the data pictured was stored in a table named "person".**

**What would be the last name of the person in the first row returned by the following query:**

```
SELECT first_name, last_name
FROM person
ORDER BY first_name;
```

| first_name | last_name | gender | state_of_residence |
|---|---|---|---|
| Sarah | Baker | female | PA |
| Gary | Smith | male | PA |
| Alice | Woodard | female | OH |
| Barb | Green | female | OH |
| John | Smith | male | PA |
| Michael | Baker | male | OH |

- (A) Baker
- (B) Smith
- (C) Woodard
- (D) Green
- (E) I don't know

✓ **2. Assume the data pictured was stored in a table named "person".**

**What would be the first name of the person in the first row returned by the following query:**

```
SELECT first_name, last_name
FROM person
ORDER BY last_name, first_name;
```

| first_name | last_name | gender | state_of_residence |
|---|---|---|---|
| Sarah | Baker | female | PA |
| Gary | Smith | male | PA |
| Alice | Woodard | female | OH |
| Barb | Green | female | OH |
| John | Smith | male | PA |
| Michael | Baker | male | OH |

- (A) Sarah
- (B) Gary
- (C) Alice
- (D) Barb
- (E) John
- (F) Michael
- (G) I don't know

✓ **3. Assume the data pictured was stored in a table named "person".**

**What would be the first name of the person in the second row returned by the following query:**

```
SELECT first_name, last_name
FROM person
ORDER BY last_name DESC, first_name;
```

| first_name | last_name | gender | state_of_residence |
|---|---|---|---|
| Sarah | Baker | female | PA |
| Gary | Smith | male | PA |
| Alice | Woodard | female | OH |
| Barb | Green | female | OH |
| John | Smith | male | PA |
| Michael | Baker | male | OH |

- (A) Sarah
- (B) Gary
- (C) Alice
- (D) Barb
- (E) John

F Michael

G I don't know

✓ 4. **Assume the data pictured is stored in a table named "person".**

**How many rows would be returned by the following query:**

```
SELECT last_name, count(*)
FROM person
GROUP BY last_name;
```

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| first_name | last_name | gender | state_of_residence |
|---|---|---|---|
| Sarah | Baker | female | PA |
| Gary | Smith | male | PA |
| Alice | Woodard | female | OH |
| Barb | Green | female | OH |
| John | Smith | male | PA |
| Michael | Baker | male | OH |

✓ 5. **Assume the data pictured is stored in a table named "person".**

**How many rows would be returned by the following query:**

```
SELECT gender, count(*)
FROM person
GROUP BY gender;
```

2

| first_name | last_name | gender | state_of_residence |
|---|---|---|---|
| Sarah | Baker | female | PA |
| Gary | Smith | male | PA |
| Alice | Woodard | female | OH |
| Barb | Green | female | OH |
| John | Smith | male | PA |
| Michael | Baker | male | OH |

✓ 6. **Assume the data pictured is stored in a table named "person".**

**How many rows would be returned by the following query:**

```
SELECT state_of_residence, gender, count(*)
FROM person
GROUP BY state_of_residence, gender;
```

4

| first_name | last_name | gender | state_of_residence |
|---|---|---|---|
| Sarah | Baker | female | PA |
| Gary | Smith | male | PA |
| Alice | Woodard | female | OH |
| Barb | Green | female | OH |
| John | Smith | male | PA |
| Michael | Baker | male | OH |

✓ 7. **Assume the data pictured is stored in a table named "person".**

**What would be the value of the person_count field returned by the following query:**

```
SELECT count(*) AS person_count
FROM person
WHERE last_name = 'Smith';
```

2

| first_name | last_name | gender | state_of_residence |
|---|---|---|---|
| Sarah | Baker | female | PA |
| Gary | Smith | male | PA |
| Alice | Woodard | female | OH |
| Barb | Green | female | OH |
| John | Smith | male | PA |
| Michael | Baker | male | OH |

✓ 8. **Assume the data pictured is stored in a table named "person".**

**What would be the value of the person_count field of the first row returned by the following query:**

```
SELECT state_of_residence, gender, count(*) AS person_count
FROM person
GROUP BY state_of_residence, gender
ORDER BY state_of_residence DESC, gender
```

1

| first_name | last_name | gender | state_of_residence |
|---|---|---|---|
| Sarah | Baker | female | PA |
| Gary | Smith | male | PA |
| Alice | Woodard | female | OH |
| Barb | Green | female | OH |
| John | Smith | male | PA |
| Michael | Baker | male | OH |