

1. In the following spreadsheet, what type of tree is in cell D3?

(n/a)	A	B	C	D	E
1	Ginkgo	Weeping willow	Sycamore	Bay laurel	Pistachio
2	Papaya	Maple	White oak	European ash	Pecan
3	Cedar	Burflower	Spruce	Redwood	Beech
4	Birch	Cottonwood	Clove	Cacao	Bristlecone
5	Rubber tree	Brazil nut	Walnut	Pine	Palm

- a. Sycamore
 - b. Redwood**
 - c. Palm
 - d. Beech
2. In the following query, what will be retrieved from the database?

```
SELECT *  
FROM facility A  
WHERE specialist = 'engineering'
```

- a. All engineering specialists in facility A**
 - b. All of facility A
 - c. All specialists in facility A
 - d. All engineering specialists in all facilities
3. Which of the following statements accurately describe spreadsheet attributes and observations? Select all that apply.
- a. An observation includes all of the attributes contained in its row.**
 - b. Column labels are attributes.**
 - c. Attributes are also referred to as column headers.**
 - d. Observations are characteristics or qualities of data.
4. A data professional at a social media company wants to communicate to stakeholders about which countries have the most active users. They create a data visualization that identifies 45 different countries, then shows the number of active users from each one. What type of data visualization should they create?
- a. Line chart
 - b. Pie chart
 - c. Donut chart
 - d. Bar chart**
5. When working in a spreadsheet, what is the correct syntax for a formula that adds the value in cell C8 to the value in cell D8?
- a. C8,D8
 - b. C8+D8=

c. =C8,D8

d. =C8+D8

6. Fill in the blank: The SQL clause `SELECT *` is used to retrieve _____ from a particular table.

a. the data in certain rows

b. all duplicate data

c. the data in certain columns

d. all data

7. In the following query, which clause indicates the table from which to retrieve data?

```
SELECT *
```

```
FROM Wood
```

```
WHERE finish = 'stain'
```

a. `WHERE finish`

b. `SELECT *`

c. `= 'stain'`

d. `FROM Wood`

8. Which text wrapping feature cuts off the contents of a spreadsheet cell so only the text that fits is visible?

a. Overflow

b. Wrap

c. Clip

d. Fill

9. Which of the following statements accurately describe data visualizations and visualization tools? Select all that apply.

a. When working with the programming language R, an integrated developer environment enables the creation of data visualizations.

b. Spreadsheets have visualization tools that enable data professionals to create line or bar charts.

c. Tableau makes it possible to integrate data into dashboard-style visualizations.

d. The process used for analyzing the data should not influence the type of visualization ultimately selected.

10. What spreadsheet feature would a data analyst use to alphabetize the last names in column B?

(n/a)	A	B	C
1	Maurice	Perth	72
2	Kimberly	O'Neill	35
3	Thomas	Bower	48
4	Ning	Minnella	28
5	Sofie	Raduazzo	62
6	Elsa	Burge	31

- a. Dragging
- b. Sort range**
- c. Formatting
- d. Chart editor