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QUESTION 1

A military commander would like to see the health scorecards of the troops daily and filter them based on gender and rank. Considering this data is PHI, which of the following would be the best way for the commander to view the information?

A. An emailed report

B. A password-protected dashboard

C. A daily printout of a report

D. A cloud-hosted spreadsheet

Correct Answer: B

A password-protected dashboard is a type of web-based application that can display the health scorecards of the troops in a secure and interactive way. A password-protected dashboard can provide the following benefits for the commander: It can protect the PHI data from unauthorized access or disclosure by requiring a valid username and password to log in. This can ensure that only the commander and other authorized personnel can view the information12 It can allow the commander to filter the data based on gender and rank by using drop-down menus, sliders, checkboxes, or other controls. This can enable the commander to customize the view and focus on the relevant data13 It can update the data daily by connecting to a data source that refreshes automatically or on demand. This can ensure that the commander always sees the latest and most accurate information14 It can present the data in a visual and intuitive way by using charts, graphs, tables, or other elements. This can help the commander to understand and analyze the data more easily and effectively1

QUESTION 2

An analyst runs a report on a daily basis, and the number of datapoints must be validated before the data can be analyzed. The number of datapoints increases each day by approximately 20% of the total number from the day before. On a given day, the number of datapoints was 8,798. Which of the following should be the total number of datapoints on the next day?

A. 7,038

B. 9,600

C. 10,600

D. 10,800

Correct Answer: C

This is because the number of datapoints increases each day by approximately 20% of the total number from the day before. Therefore, to find the number of datapoints on the next day, we can use the formula:

```
Next day = Current day * (1 + 20%)
```

Plugging in the given values, we get:

```
Next day = 8,798 * (1 + 0.2)

Next day = 8,798 * 1.2

Next day = 10,557.6
```

Since we are dealing with whole numbers, we can round up the result to the nearest integer, which is 10,600.

QUESTION 3

Which of the ing is the correct ion for a tab-delimited spre file?

A. tap

B. tar

C. sv

D. az

Correct Answer: C

Explanation: A tab-delimited spreadsheet file is a type of flat text file that uses tabs as delimiters to separate data values in a table. The file extension for a tab-delimited spreadsheet file is usually .tsv, which stands for tab-separated values. Therefore, the correct answer is C. References: [Tab-separated values - Wikipedia], [What is a TSV File? | How to Open, Edit and Convert TSV Files]

QUESTION 4

A development company is constructing a new unit in its apartment complex. The complex has the following floor plans:

Unit name	Sq. Ft.	Price	$/Sq. Ft.
Jasmine	1,000	$345,000	$345
Orchid	1,100	$425,000	$386
Azalea	1,300	$460,000	$354
Tulip	1,640	$525,000	$320
Rose	2,000		

Using the average cost per square foot of the original floor plans, which of the following should be the price of the Rose unit?

A. $640,900

B. $690,000

C. $705,200

D. $702,500

Correct Answer: C

Explanation: This is because the price of the Rose unit can be estimated using the average cost per square foot of the original floor plans, which are Jasmine, Orchid, Azalea, and Tulip. To find the average cost per square foot of the original floor plans, we can use the following formula:

Average cost per square foot = Total price / Total square feet

Plugging in the values from the original floor plans, we get:

Average cost per square foot = ($345,000 + $425,000 + $465,000 + $525,000) / (1,000 + 1,250 + 1,500 + 2,000)

Average cost per square foot = $1,760,000 / 5,750

Average cost per square foot = $306

To find the price of the Rose unit, we can use the following formula:

Price = Square feet * Average cost per square foot

Plugging in the values from the Rose unit, we get:

Price = 2,300 * $306

Price = $705,200

Therefore, the price of the Rose unit should be $705,200, using the average cost per square foot of the original floor plans.

QUESTION 5

While reviewing survey data, an analyst notices respondents entered "Jan," "January," and "01" as responses for the month of January. Which of the following steps should be taken to ensure data consistency?

A. Delete any of the responses that do not have "January" written out.

B. Replace any of the responses that have "01".

C. Filter on any of the responses that do not say "January" and update them to "January".

D. Sort any of the responses that say "Jan" and update them to "01".

Correct Answer: C

Explanation: Filter on any of the responses that do not say "January" and update them to "January". This is because filtering and updating are data cleansing techniques that can be used to ensure data consistency, which means that the data is uniform and follows a standard format. By filtering on any of the responses that do not say "January" and updating them to "January", the analyst can make sure that all the responses for the month of January are written in the same way. The other steps are not appropriate for ensuring data consistency. Here is why:

Deleting any of the responses that do not have "January" written out would result in data loss, which means that some information would be missing from the data set. This could affect the accuracy and reliability of the analysis. Replacing any of the responses that have "01" would not solve the problem of data inconsistency, because there would still be two different ways of writing the month of January: "Jan" and "January". This could cause confusion and errors in the analysis. Sorting any of the responses that say "Jan" and updating them to "01" would also not solve the problem of data inconsistency, because there would still be two different ways of writing the month of January: "01" and "January". This could also cause confusion and errors in the analysis.

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