

Day-17 Quiz-DataScience-Training

Welcome to the Python Programming Quiz! This quiz tests your knowledge of daily learnings. Please read the instructions carefully before starting the quiz.

Instructions and Rules

- **Time Limit:** You have 20 minutes to complete the quiz.
- **Number of Questions:** The quiz consists of 20 multiple-choice questions.
- **Scoring:** Each correct answer is worth 1 point. There is no negative marking for incorrect answers.
- **Single Attempt:** You are allowed only one attempt to complete the quiz.
- **Required Fields:** All questions are mandatory. You must answer each question to submit the quiz.
- **Resources:** This is a closed-book quiz. Do not use any external resources, including books, notes, or the internet.
- **Honesty:** Please answer the questions honestly and to the best of your ability. Cheating or dishonesty will result in disqualification.
- **Environment:** Ensure you are in a quiet environment where you can concentrate without interruptions.
- **Technical Issues:** In case of technical issues, please contact the quiz administrator immediately.
- **Retakes:** There are no retake opportunities for this quiz. Ensure you are prepared before starting.

Good luck, and do your best!

* Indicates required question

1. Email *

2. **1. Which of the following SQL functions can be used to return the current date and time? ***

Mark only one oval.

- ☐ a) GETDATE()
- ☐ b) CURDATE()
- ☐ c) NOW()
- ☐ d) Both a and c

3. **2. Which statement about SQL indexes is false? ***

Mark only one oval.

- ☐ a) They improve query performance
- ☐ b) They are automatically created on primary key columns
- ☐ c) They can speed up data modification operations
- ☐ d) They can be created on one or more columns

4. **3. Which measure of central tendency is most affected by outliers? ***

Mark only one oval.

- ☐ a) Mean
- ☐ b) Median
- ☐ c) Mode
- ☐ d) Range

5. **4. What does a positive correlation coefficient indicate? ***

Mark only one oval.

- ☐ a) No relationship between variables
- ☐ b) An inverse relationship between variables
- ☐ c) A direct relationship between variables
- ☐ d) Variables are unrelated

6. **5. Which statistical measure is used to understand the relationship between two continuous ***

Mark only one oval.

- ☐ a) Mean
- ☐ b) Median
- ☐ c) Correlation
- ☐ d) Mode

7. **6. Which measure of central tendency is most appropriate for a skewed distribution? ***

Mark only one oval.

- ☐ a) Mean
- ☐ b) Median
- ☐ c) Mode
- ☐ d) Standard Deviation

8. **7. If two variables have a correlation coefficient of -0.8, this means: ***

Mark only one oval.

- ☐ a) There is a strong positive linear relationship between them
- ☐ b) There is a weak positive linear relationship between them
- ☐ c) There is a strong negative linear relationship between them
- ☐ d) There is no linear relationship between them

9. **8. The sum of the squared deviations from the mean divided by the number of observations is called: ***

Mark only one oval.

- ☐ a) Variance
- ☐ b) Standard Deviation
- ☐ c) Range
- ☐ d) Median

10. **9. A random variable that can take an infinite number of values within a given range is called ***

Mark only one oval.

- ☐ a) Discrete
- ☐ b) Continuous
- ☐ c) Nominal
- ☐ d) Ordinal

11. **10. Which feature in Tableau can be used to create interactive controls for dashboards? ***

Mark only one oval.

- ☐ a) Filters
- ☐ b) Parameters
- ☐ c) Actions
- ☐ d) Sets

12. **11. What does the 'Dual Axis' feature in Tableau allow you to do? ***

Mark only one oval.

- ☐ a) Combine two data sources
- ☐ b) Create a secondary axis in a chart
- ☐ c) Filter data based on two conditions
- ☐ d) Create a map visualization

13. **12. In Tableau, a 'Dashboard' is: ***

Mark only one oval.

- ☐ a) A single chart
- ☐ b) A collection of multiple worksheets
- ☐ c) A data source
- ☐ d) A type of filter

14. **13. Which Tableau feature allows you to create a map visualization? ***

Mark only one oval.

- ☐ a) Heatmap
- ☐ b) Treemap
- ☐ c) Geographic Map
- ☐ d) Scatter Plot

15. **14. Which feature in Tableau allows you to filter data on a dashboard? ***

Mark only one oval.

- ☐ a) Parameters
- ☐ b) Filters
- ☐ c) Groups
- ☐ d) Sets

16. **15. What is the purpose of the 'Show Me' panel in Tableau? ***

Mark only one oval.

- ☐ a) To apply filters
- ☐ b) To create calculated fields
- ☐ c) To connect to data sources
- ☐ d) To suggest different types of visualizations

17. **16. What is a 'Sheet' in Tableau? ***

Mark only one oval.

- ☐ a) A single chart or map
- ☐ b) A data source connection
- ☐ c) A type of file format
- ☐ d) A report summary

18. **17. What is a 'Workbook' in Tableau? ***

Mark only one oval.

- ☐ a) A collection of related charts and graphs
- ☐ b) A single data source
- ☐ c) A collection of dashboards and worksheets
- ☐ d) A database connection

19. **18. Which of the following file formats can be directly connected to Tableau? ***

Mark only one oval.

- ☐ a) .csv
- ☐ b) .xlsx
- ☐ c) .json
- ☐ d) All of the above

20. **19. How can you display a total value at the top of each bar in a bar chart in Tableau? ***

Mark only one oval.

- ☐ a) Using a Parameter
- ☐ b) Adding a Reference Line
- ☐ c) Using Annotate
- ☐ d) Enabling 'Show Mark Labels'

21. **20. What is the purpose of the 'Pages' shelf in Tableau? ***

Mark only one oval.

- ☐ a) To create calculations
- ☐ b) To add filters
- ☐ c) To break a view into a series of pages
- ☐ d) To blend data sources

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