← **CCE**

Score Obtained: 82 / 100%

1.

What will be the value of the following Python expression?

print(4+3%5)

◉ 7   1/1

○ 2

○ 4

○ 1

2.

What will be the output of the following code snippet?

s={1,2,3,2,4,5,5,3,2,3}

print(s)

○ {1,2,2,3,3,3,4,5,5}   1/1

◉ {1,2,3,4,5}

○ None

○ {1,5}

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3. How can you change "Thomas" into "Michel" in the "LastName" column in the Users table?   1/1

○ UPDATE User SET LastName = 'Thomas' INTO LastName = 'Michel'

○ MODIFY Users SET LastName = 'Michel' WHERE LastName = 'Thomas'

○ MODIFY Users SET LastName = 'Thomas' INTO LastName = 'Michel'

⦿ UPDATE Users SET LastName = 'Michel' WHERE LastName = 'Thomas'

4.
What will be the output of the following Python code?

class tester:

   def __init__(self, id):

      self.id = str(id)

      id="224"

>>>temp = tester(12)

>>>print(temp.id)

⦿ 12   1/1   [ATTEMPTED]

○ 224

○ None

○ Error

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5. what delete do in sql ?   1/1   [ATTEMPTED]

○ Delete use to delete all data from table

○ Delete use to delete a column from data

○ Delete use to delete a particular row or a group of rows

○ Delete use to delete table data as well as table

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6. What SQL command is used to remove all rows from a table? 1/1 ATTEMPTED

○ DELETE TABLE

○ DROP TABLE

◉ TRUNCATE TABLE

○ REMOVE TABLE

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7. How do you define a default value for a function parameter in Python?

1/1 ATTEMPTED

○ By using a colon `:` after the parameter name

◉ By using an equal sign `=` in the function header

○ By using square brackets `[]` around the parameter name

○ By using the `default` keyword before the parameter name

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8. Which aggregate function is used to find the highest value in a column?

1/1 ATTEMPTED

○ AVG()

○ MIN()

○ MAX()

○ SUM()

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9. Two trains for Mumbai leave Delhi at 6 am and 6.45 am and travel at 100 kmph and 136 kmph respectively. How many kilometers from Delhi will the two trains be together: 1/1 ATTEMPTED

○ 262.4 km

○ 260 km

◉ 283.33 km

○ 275 km

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10. What will be the output of the following SQL query? SELECT CONCAT(first_name, ' ', last_name) AS full_name FROM employees; ATTEMPTED
0/1

◉ It will return the "full_name" column from the "employees" table

○ It will return the first name and last name concatenated with a space in between.

○ It will return an error because the "CONCAT" function is not supported in SQL.

○ It will return the "first_name" and "last_name" columns separately.

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11. What is the primary purpose of the Query Editor in Power BI? 1/1 ATTEMPTED

○ Designing reports

○ Creating dashboards

◉ Cleaning and transforming data

○ Generating DAX formulas

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12. What will be output for the following code? import pandas as pd import numpy as np s = pd.Series(np.random.randn(4)) print (s.ndim)   1/1   `ATTEMPTED`

○ 0

◉ 1

○ 2

○ 3

---

13. The data label associated with particular value in the Series is called its_____.   1/1   `ATTEMPTED`

○ Data Value

◉ Index

○ Value

○ None

---

14. Why is the =COUNTIF function in Excel used?   1/1   `ATTEMPTED`

○ Count the cells with single specified criteria

○ Counts blank cells in a range

○ Counts cells with numbers in a range

○ Returns values based on a TRUE or FALSE condition

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15. What is the output of the following code? import numpy as np a = np. arange (10) print (a [2:5]) 1/1 ATTEMPTED

◉ $[2, 3, 4]$

○ $[5, 6, 7]$

○ $[0, 1, 2]$

○ $[2, 4, 6]$

---

16. All pandas data structures are _ _ _ mutable but not always _ _ _ _ _ _ _mutable. 1/1 ATTEMPTED

○ size, value

◉ value, size

○ semantic, size

○ None of the mentioned

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17. What is the value of 5Â² – 3Â³ + 4â? 0/1 ATTEMPTED

- ○ 254
- ◉ 111
- ○ 259
- ○ 335

---

18. In Microsoft Excel cells, function must start with _ _ _ _ _ _ _ _ 1/1 ATTEMPTED

- ○ $
- ◉ =
- ○ ' '
- ○ F

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19. What will be the minimum number of arguments required to pass in the pandas series? 0/1 ATTEMPTED

- ○ 2
- ○ 3
- ○ 4
- ◉ None of the above mentioned

20. _ _ _ _ _ _ _ _ _ _function in MS Excel worksheet represents the total number(s) of entries in the cell(s).   1/1   ATTEMPTED

○ SUM

○ AVG

◉ COUNT

○ TOTAL

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21. What is TRUE about NOT NULL Constraint?   1/1   ATTEMPTED

○ In columns that are subject to the NOT NULL constraint, duplicate values are not allowed.

◉ When a table's column is declared as NOT NULL, no record in the table can have an empty value for that column.

○ By applying the NOT NULL constraint, we will always ensure that the column contains a unique value and won't allow nulls.

○ The value will first be checked for certain conditions before inserting it into the column when a NOT NULL constraint applies to a column in the table.

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22. What built-in list method would you use to remove items from a list?   1/1   ATTEMPTED

○ .delete() method

○ pop(my_list)

○ del(my_list)

◉ .pop() method

23. Suppose you have a DataFrame "df" with a column named "Marks" that contains numerical values. You want to normalize the values in the "Marks" column such that they range between 0 and 1. Which of the following code snippets correctly performs the normalization? 1/1 [ATTEMPTED]

○ df['Marks'] = (df['Marks'] – df['Marks'].mean()) / (df['Marks'].max() – df['Marks'].min())

○ df['Marks'] = (df['Marks'] – df['Marks'].mean()) / df['Marks'].std()

◉ df['Marks'] = (df['Marks'] – df['Marks'].min()) / (df['Marks'].max() – df['Marks'].min())

○ df['Marks'] = (df['Marks'] – df['Marks'].min()) / df['Marks'].std()

24. Which one is not a function in ms excel? 1/1 [ATTEMPTED]

○ PROPER

○ AVERAGE

○ COUNT

◉ CLEAR

25. What is the keyword shortcut to insert a new sheet in the current workbook in MS Excel? 1/1 [ATTEMPTED]

○ Shift + F9

○ Shift + F10

○ Shift + F12

○ Shift + F11

26. Which of the following is a way to connect to a data source in Power BI?

0/1 ATTEMPTED

○ Using a web browser

○ Using a command-line interface

○ Using an API

◉ All of the above

27. What is the purpose of the Power BI API?

0/1 ATTEMPTED

○ To integrate your application's data into Power BI and create datasets that power dashboards in real-time.

○ To analyze and visualize data

◉ To create and share reports and dashboards

○ To create and manage data models

28. Which of the following is a common approach to solving a classification problem with imbalanced classes?

1/1 ATTEMPTED

○ Resampling the data

○ Using a different evaluation metric

○ Adjusting the class weights

○ All of the above

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29. What is the purpose of the Power BI service?   1/1   ATTEMPTED

○ To create and manage data models

○ To import and transform data from various sources

○ To analyze and visualize data

◉ To share reports and dashboards with other users

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30. Which of the following is a data visualization feature in Power BI?   ATTEMPTED
1/1

◉ Charts

○ Word processing

○ Video editing

○ Animation

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31. Find the invalid variable among the following: 1/1   ATTEMPTED

◉ 1st_string

○ my_string_1

○ _

○ foo

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32. _ _ _ _ _ _ _ _ _ is the scenario when the model fails to decipher the underlying trend in the input data.

0/1 ATTEMPTED

○ Overfitting

○ Underfitting

◉ Both A and B

○ None of the above

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33. Arrange the following statistical measures from simplest to most complex. a.Mode b. Mean c. Median d. Standard Deviation

0/1 ATTEMPTED

○ A,b,c,d

◉ b,c,a,d

○ d,c,b,a

○ a,c,b,d

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34. Which of the following diagrams would be useful in depicting the median value in the data?

1/1 ATTEMPTED

○ Bar Chart

◉ Box Plot

○ Pie Chart

○ Scatter Plot

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35. If the sum of two consecutive integers is 45, what are the integers? ATTEMPTED

1/1

◉ 22, 23

○ 22, 24

○ 23, 24

○ 23, 22

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36. The _ _ _ _ _ _ _ _ function returns its argument with a modified shape, whereas the _ _ _ _ _ _ _ _ method modifies the array itself. 1/1 ATTEMPTED

◉ reshape, resize

○ resize, reshape

○ reshape2, resize

○ all of the mentioned

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37. What does the term "precision" refer to in a classification context? ATTEMPTED

0/1

○ The ratio of true positives to the total number of positive predictions

◉ The ratio of true positives to the sum of true positives and false negatives

○ The ratio of true positives to the sum of true positives and false positives

○ The ratio of true positives to the total number of actual positives in the dataset

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38. How can you change "Thomas" into "Michel" in the "LastName" column in the Users table?   1/1   `ATTEMPTED`

○ UPDATE Users SET LastName = 'Thomas' INTO LastName = 'Michel'

○ MODIFY Users SET LastName = 'Michel' WHERE LastName = 'Thomas'

○ MODIFY Users SET LastName = 'Thomas' INTO LastName = 'Michel'

◉ UPDATE Users SET LastName = 'Michel' WHERE LastName = 'Thomas

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39. What is the purpose of one-hot encoding in machine learning? 1/1   `ATTEMPTED`

○ To encode numerical values as binary

○ To impute missing values

◉ To convert categorical variables into a binary matrix

○ To standardize the data

40.

What will be the output of the following Python code?

i = 1

while True:

   if i%3 == 0:

break

print(i)

i+= 1

1/1 `ATTEMPTED`

○ 1 2 3

○ error

◉ 1 2

○ none of the mentioned

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41. Which of the following object you get after reading CSV file?   1/1 `ATTEMPTED`

◉ DataFrame

○ Character Vector

○ Panel

○ All of the mentioned

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42. Which distance metric is commonly used in K-Means clustering   `ATTEMPTED`

0/1

○ Euclidean distance

○ Manhattan distance

○ Jaccard distance

◉ All of the above can be used, depending on the data.

43. In Python, what is the purpose of the // operator?

1/1 `ATTEMPTED`

○ Exponentiation

◉ Integer division

○ Modulus

○ Bitwise AND

44.

Consider the code snippet:

```
class Person:
  def __init__(self, name, age):
    self.name = name
    self.age = age
person1 = Person("Alice", 25)
person2 = Person("Bob", 30)
```

What is the value of person1.age?

1/1 `ATTEMPTED`

◉ 25

○ 30

○ "Alice"

○ "Bob"

45. The product of 6 and 9 is equal to the difference between a number and 7. What is the number?

1/1 `ATTEMPTED`

○ 48

◉ 61

○ 55

○ 42

46.

What will be the output of the following code?

def func(x, y, z):
   return x + y * z

result = func(2, 3, 4)
print(result)

1/1 ATTEMPTED

○ 20

◉ 14

○ 26

○ 18

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47. What is the result of the following SQL subquery: SELECT name FROM employees WHERE department_id = (SELECT department_id FROM departments WHERE department_name = 'Sales');

1/1 ATTEMPTED

◉ It returns the names of all employees in the Sales department.

○ It returns the names of all employees in the Sales department. b) It returns an error because subqueries cannot be used in the WHERE clause

○ It returns an error because the subquery can return multiple values.

○ It returns the names of all employees in all departments.

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48. What does the following SQL statement return? SELECT * FROM Employees WHERE EmployeeName LIKE 'a%' 1/1 [ATTEMPTED]

○ It records in the Employees table where the value in the EmployeeName column doesn't have an "a".

◉ It records in the Employees table where the value in the EmployeeName column starts with "a".

○ It records in the Employees table where the value in the EmployeeName column has an "a".

○ It records in the Employees table where the value in the EmployeeName column ends with "a".

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49. Which statement is used to select a database? 1/1 [ATTEMPTED]

◉ use

○ create

○ drop

○ schema

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50. In a shower, 5 cm of rain falls. The volume of water that falls on 1.5 hectares of ground is: 1/1 [ATTEMPTED]

○ 75 cu. m

- ◉ 750 cu. m

- ○ 7500 cu.m

- ○ 75000 cu. M