



1. Which of the following statements is correct regarding the object-oriented programming concept in Python?

1/1

ATTEMPTED

- ☐ Classes are real-world entities while objects are not real
 - ☒ Objects are real-world entities while classes are not real
 - ☐ Both objects and classes are real-world entities
 - ☐ All of the above
-

2. How does MySQL differ from SQL?

1/1

ATTEMPTED

- ☐ SQL is a standard language for retrieving and manipulating data from structured databases. MySQL is a non relational database management system that is used to manage SQL databases.
 - ☒ SQL is a standard language for retrieving and manipulating data from structured databases. MySQL is a relational database management system that is used to manage SQL databases.
 - ☐ They are not different. MySQL and SQL refer to the same thing.
 - ☐ My SQL is a language, and SQL is a software application.
-

3. Which SQL function is used to find the maximum value in a column?

ATTEMPTED

1/1

- ☒ MAX()
- ☐ MIN()
- ☐ AVG()

☐ COUNT()

4. DEF, DEF2, DE2F2, _____, D2E2F3

1/1

ATTEMPTED

- ☐ DEF3
 - ☐ D3EF3
 - ☒ D2E2F2
 - ☐ D2E3F
-

5. Arrange the words given below in a meaningful sequence. 1.House 2.Street
3.Room 4.Town 5.District

1/1

ATTEMPTED

- ☐ 3, 2, 1, 4, 5
 - ☐ 3, 1, 4, 2, 5
 - ☒ 3, 1, 2, 4, 5
 - ☐ 3, 1, 2, 5, 4
-

6.

What will be the output of below code?

```
for i in range(1,11):
```

```
    if i == 2:
```

```
        continue
```

```
    print(i, end="")
```

☐ 1 2 3 5 6 7 8 9 10

1/1

ATTEMPTED

☒ 1345678910

☐ 1234567891011

☐ Error

7.

What will be the output of below function?

```
def greater(a=33,b=2,c=1,d=66):
```

```
    if a>b and a>c and a>d:
```

```
        print("a is greater")
```

```
    elif b>a and b>c and b>d:
```

```
        print("b is greater")
```

```
    elif c>a and c>b and c>d:
```

```
        print("c is greater")
```

```
    else:
```

```
        print("d is greater")
```

```
greater(55,201,333)
```

☐ d is greater

1/1

ATTEMPTED

☒ c is greater

☐ b is greater

☐ a is greater

8. Which of the following is not a core data type in Python programming

ATTEMPTED

☐ Tuples

1/1

☐ Lists

☒ Class

☐ Dictionary

9. A CASE SQL statement is _____?

1/1

ATTEMPTED

☐ A way to establish a loop in SQL.

☒ A way to establish an IF-THEN-ELSE in SQL

☐ A way to establish a data definition in SQL

☐ All of the above.

10. 500 was invested at 12% per annum simple interest and a certain sum of money invested at 10% per annum simple interest. If the sum of the interest on both the sum after 4 years is 480, the latter sum of money is ?

1/1

ATTEMPTED

☐ 450

☐ 750

☒ 600

☐ 550

11. Which Pandas function is used to group data based on a specific column and perform aggregate functions on the grouped data?

0/1

ATTEMPTED

- ☒ `df.group('column_name').agg()`
 - ☐ `df.aggregate('column_name').groupby()`
 - ☐ `df.apply('column_name').agg().groupby()`
 - ☐ `df.groupby('column_name').agg()`
-

12. Which of the following is true about Power View?

0/1

ATTEMPTED

- ☐ It is a data visualization technology that lets you create interactive charts, graphs, maps, and other visuals that bring your data to life.
 - ☒ It provides a similar design experience to the report's editing view in the Power BI service.
 - ☐ You can move visualizations around, copy and paste, merge, and so on.
 - ☐ It is available only in Excel.
-

13.

```
Python_list = [3,4,5,6,7,8,9,10]
```

```
count_index = 1;
```

```
for k in Python_list:
```

```
    if i == 8:
```

```
        print("The given item is matched in the program")
```

```
        count_index = count_index + 1;
```

```
        break
```

```
print("We found the given item at",count_index,"location in the given list of program");
```

What will be the output when we run the above program?

0/1

ATTEMPTED

- ☒ The given item is matched in the program We found the given item at 7 location in the given list of program
 - ☐ The given item is matched in the program We found the given item at 6 location in the given list of program
 - ☐ The given item is matched in the program We found the given item at 3 location in the given list of program
 - ☐ The given item is matched in the program We found the given item at 5 location in the given list of program
-

14. 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
-

15. Under which menu, we can add Header and Footer on the sheet?

ATTEMPTED

1/1

- ☐ Format
 - ☐ Review
 - ☐ Data
 - ☒ Page Layout
-

16. Creating tables is as easy as highlighting cells that have already been filled in appropriately and then clicking on the insert tab and then clicking on the table button.

1/1

ATTEMPTED

- ☐ No, highlighting cells disables the ability to create tables.
 - ☐ Yes, it is that simple, but the highlighted cells must have numerical data.
 - ☐ No, you go to the home tab and then click on the table button.
 - ☒ Yes, it is that simple, but the highlighted cells should not have blank cells.
-

17. Observe the following code and identify what will be the outcome? import numpy as np x = np.array([[0, 1] , [2, 3]]) x=np.transpose(x) print(x)

ATTEMPTED

1/1

- ☐ Array ([[0, 3], [1, 2]])
 - ☐ Array ([[3, 2], [1, 0]])
 - ☐ Array ([[2, 3], [0, 1]])
 - ☒ Array ([[0, 2], [1, 3]])
-

18. You need to make an exact copy of a table, with all columns and indexes. How can you get all of the information needed to accomplish this?

ATTEMPTED

0/1

- ☒ create table
- ☐ insert into
- ☐ clone table
- ☐

19. How would you make a case-sensitive query in MySQL?

1/1

ATTEMPTED

- ☐ SELECT * FROM customers WHERE UPPERCASE(LastName) = 'POTTER';
 - ☐ SELECT * FROM customers WHERE LOWERCASE(LastName) = 'potter';
 - ☒ SELECT * FROM customers WHERE UPPER(LastName) = 'POTTER';
 - ☐ SELECT * FROM customers WHERE UPPER(LastName) = 'Potter';
-

20. You have a treemap visualization that groups by sales territory. To allow users to further analyze data for a specific territory, what filter should you apply?

1/1

ATTEMPTED

- ☐ Visual level
 - ☒ Drillthrough
 - ☐ Page level
 - ☐ Expand down
-

21. Which of the following is a visualization option in Power BI?

1/1

ATTEMPTED

- ☐ Pivot table
- ☐ Histogram
- ☐ Bubble chart

☒ All of the above

22. In Python, what is the purpose of the `strip()` method for strings?**

ATTEMPTED

1/1

- ☒ Removes leading and trailing whitespaces
 - ☐ Splits the string into a list
 - ☐ Converts the string to uppercase
 - ☐ Replaces characters in the string
-

23. In Microsoft Excel cells, function must start with _____

1/1

ATTEMPTED

- ☐ \$
 - ☒ =
 - ☐ ''
 - ☐ F
-

24. What does the SQL HAVING clause filter in a grouped result set?

ATTEMPTED

0/1

- ☐ Rows before grouping
- ☐ Rows after grouping
- ☐ Columns before grouping

☒ Columns after grouping

25. What is the function of the IFERROR function in Excel?

0/1

ATTEMPTED

- ☐ It returns a value if a cell contains an error
 - ☐ It hides errors in a cell
 - ☐ It replaces standard errors in a cell with a specified value
 - ☒ It displays a custom error message in a cell
-

26. Which transformation option in Power Query is used to pivot columns in a table?

1/1

ATTEMPTED

- ☐ Unpivot Columns
 - ☐ Transform Data
 - ☒ Pivot Column
 - ☐ Merge Queries
-

27. How can you round a number to the nearest whole number in Excel?

1/1

ATTEMPTED

- ☐ =ROUNDUP()
- ☐ =ROUNDDOWN()
- ☒ =ROUND()

☐ =CEILING()

28. What will be output for the following code? `import numpy as np dt = np.dtype([('age',np.int8)]) a = np.array([(10,),(20,),(30,)], dtype = dt) print(a['age'])` 1/1 ATTEMPTED

- ☐ [10]
 - ☒ [10 20 30]
 - ☐ [[10 20 30]]
 - ☐ Error
-

29. What is expected output for the given code? `import pandas as pd df=pd.DataFrame({'A':[12,4,5,44,1],'B':[5,2,54,3,2], 'C':[20,16,7,3,8],'D':[14,3,17,2,6]}) df.max(axis=0)` 1/1 ATTEMPTED

- ☒ A 44 B 54 C 20 D 17
 - ☐ A 1 B 2 C 3 D 2
 - ☐ A 12 B 5 C 20 D 14
 - ☐ A NAN B 2 C NAN D NAN
-

30. _____ refers to a model that can neither model the training data nor generalize to new data. 1/1 ATTEMPTED

- ☐ good fitting

- ☐ overfitting
 - ☒ underfitting
 - ☐ all of the above
-

31. Which of the following is an example of a supervised learning problem?

0/1

ATTEMPTED

- ☐ Image classification
 - ☐ Market segmentation
 - ☒ Fraud detection
 - ☐ Social network analysis
-

32. Which of the following is a common approach to ensemble learning?

1/1

ATTEMPTED

- ☐ Bagging
 - ☐ Boosting
 - ☐ Stacking
 - ☒ All of the above
-

33. What is the purpose of the Power BI data gateway?

1/1

ATTEMPTED

- ☒ To connect to on-premises data sources from the Power BI service
- ☐ To create and manage data models in Power BI

- ☐ To create custom visuals for Power BI reports and dashboards
 - ☐ To manage user access to Power BI content
-

34. If a dimension is given as `__` in a reshaping operation, the other dimensions are automatically calculated.

1/1

ATTEMPTED

- ☐ Zero
 - ☐ One
 - ☒ Negative one
 - ☐ Infinite
-

35. What are the two main types of functions in Python?

1/1

ATTEMPTED

- ☐ System function
 - ☐ Custom function
 - ☒ Built-in function & User defined function
 - ☐ User function
-

36. If the perimeter of a square is 32 cm, what is the length of one side of the square?

1/1

ATTEMPTED

- ☐ 6 cm

- ☐ 7 cm
 - ☒ 8 cm
 - ☐ 9 cm
-

37. In Python, how do you declare a list containing integers from 1 to 10 (inclusive)?

1/1

ATTEMPTED

- ☐ list = [1, 10]
 - ☐ list = [1, 10]
 - ☒ list = list(range(1, 11))
 - ☐ list = [1 to 10]
-

38. 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
-

39. Which function is used to draw multiple figures in one plot?

1/1

ATTEMPTED

- ☒ subplot()

- ☐ subplots()
 - ☐ pyplots()
 - ☐ pysubplots()
-

40. Why ndim is used?

1/1

ATTEMPTED

- ☐ Returns the number of elements in the underlying data.
 - ☐ Returns the Series as ndarray.
 - ☒ Returns the number of dimensions of the underlying data, by definition 1.
 - ☐ Returns a list of the axis labels
-

41. Which of the following statements is not supporting in defining k Nearest Neighbor as a lazy learning algorithm?

1/1

ATTEMPTED

- ☐ It defers data processing until it receives a request to classify unlabeled data
 - ☐ It replies to a request for information by combining its stored training data
 - ☒ It stores all the intermediate results
 - ☐ It discards the constructed answer
-

42. What type of plot is commonly used in Seaborn to visualize distributions of univariate data?

1/1

ATTEMPTED

- ☒ Histogram.
 - ☐ Bar plot.
 - ☐ Scatter plot.
 - ☐ Line plot.
-

43.

What will be the output of the following Python code?

```
x = ['ab', 'cd']  
for i in x:  
    i.upper()  
    print(x)
```

1/1

ATTEMPTED

- ☒ ['ab', 'cd']
 - ☐ ['ab', 'cd']
 - ☐ ['AB', 'CD']
 - ☐ ['AB', 'CD']
 - ☐ AB
 - ☐ CD
 - ☐ None of the mentioned
-

44. How can you create a Pandas DataFrame from a Python dictionary data?

1/1

ATTEMPTED

- ☐ pd.DataFrame(dict=data)
- ☐ pd.from_dict(data)
- ☐ pd.create_dataframe(data)
- ☒ pd.DataFrame(data)

45. What is the maximum possible length of an identifier?

1/1

ATTEMPTED

- ☐ 16
 - ☐ 32
 - ☐ 64
 - ☒ None of these above
-

46. Which SQL command is used to delete data from a database? 0/1

ATTEMPTED

- ☐ REMOVE
 - ☐ DELETE
 - ☒ DROP
 - ☐ ERASE
-

47. Consider a table named employees with columns employee_id, employee_name, and manager_id. Which query will retrieve the names of employees who do not have a manager?

1/1

ATTEMPTED

- ☒ SELECT employee_name FROM employees WHERE manager_id IS NULL;
- ☐ SELECT employee_name FROM employees WHERE manager_id = 0;
- ☐ SELECT employee_name FROM employees HAVING COUNT(manager_id) = 0;

- ☐ SELECT employee_name FROM employees WHERE NOT EXISTS (SELECT * FROM employees WHERE manager_id = employee_id);
-

48. The average of 5 consecutive numbers is 30. What is the largest number?

1/1

ATTEMPTED

- ☐ 34
- ☐ 35
- ☒ 32
- ☐ 37
-

49. Which MySQL function is used to find the average (mean) value of a numeric column?

1/1

ATTEMPTED

- ☒ AVG()
- ☐ SUM()
- ☐ MAX()
- ☐ COUNT()
-

50. If you are asked to delete the entire data of a table without disturbing the table definition then in such case which statement you will use?

1/1

ATTEMPTED

- ☐ DELETE
- ☒ TRUNCATE
- ☐ DROP

☐ CLEAR
