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XII - COMPUTER SCIENCE

IMPORTANT QUESTIONS

Only for slow learners

1. What is a subroutine?
2. Differentiate interface and implementation.
3. Differentiate pure and impure function.
4. What is abstract data type?
5. Differentiate constructors and selectors.
6. What is a List? Give an example.
7. What is a Tuple? Give an example
8. Differentiate Concrete data type and abstract datatype.
9. What is a scope?
10. What is Mapping?
11. Define Local scope with an example.
12. Why access control is required?
13. What is an Algorithm?
14. Define Pseudo code
15. What is searching? Write its types.
16. Discuss about Algorithmic complexity and its types.
17. Write a note on Asymptotic notation
18. Write short notes on Tokens.
19. What is a literal? Explain the types of literals ?
20. Explain Ternary operator with Ex
21. What are string literals? Explain
22. List the control structures in Python
23. Define control structure.
24. Write is the syntax of if..else statement
25. Write the syntax of while loop.
26. List the differences between break and continue statements
27. What is function?
28. What are the main advantages of function?
29. Write the rules of local variable
30. Differentiate ceil() and floor() function?
31. How recursive function works?
32. What is String?
33. How will you delete a string in Python?
34. What is slicing?
35. Write a short about the followings with suitable example:

    (a) capitalize( ) (b) swapcase( )
36. Write a note about count( ) function in python.
37. What is List in Python?

38. Differentiate del with remove( ) function of List.
39. What are the advantages of Tuples over a list?
40. Explain the difference between del and clear( ) in dictionary with an example
41. What are the difference between List and Dictionary?
42. What are the advantages of Tuples over a list?
43. What is class?
44. How will you create constructor in Python?
45. List some examples of RDBMS
46. What is the difference between Hierarchical and Network data model?
47. What is normalization?
48. What is the difference between Select and Project command?
49. Write a note on different types of DBMS users.
50. Differentiate Unique and Primary Key constraint
51. What is the difference between SQL and MySQL?
52. What is a constraint? Write short note on Primary key constraint
53. Write the use of Savepoint command with an example.
54. What is CSV File?
55. Mention the default modes of the File.
56. Write a Python program to modify an existing file
57. What is the difference between reader() and DictReader() function?
58. What is the difference between the write mode and append mode
59. Differentiate compiler and interpreter.
60. Write the expansion of (i) SWIG (ii) MinGW
61. Differentiate PYTHON and C++
62. What is MinGW? What is its use?
63. Mention the users who uses the Database
64. Which method is used to connect a database? Give an example.
65. What is SQLite?What is it advantage?
66. Mention the difference between fetchone() and fetchmany()

67. Write any three uses of data visualization.
68. Define: Data Visualization.
69. List the types of Visualizations in Matplotlib
70. List the general types of data visualization.

5marks

1. notes on Pure , impure function
2. Explain perameter and types
3. Explain data abstraction with example
4. Explain types of scope or LEGB
5. Explain characteristic of modules
6. Explain benefits of modular program
7. Discuss linear search algorithm
8. Discuss binary search algorithm
9. Discuss characteristic of algorithm
10. Explain token and types
11. Notes on for LOOP
12. Explain if, if else, nested if else with example
13. Explain while loop with example
14. Explain String operator with example
15. Explain Different set operation supported by Phython
16. Different way to insert an element in a list
17. Types of data model
18. Differentiate DBMS & RDBMS
19. Characteristic of DBMS
20. Create a table using employee details
21. Differentiate EXE and CSV file
22. Explain features of Python.
23. Explain SQlite and its steps used to use it
24. Explain various button in a matplotlib window.
25. Differentiate histograms and bar graph

All the best

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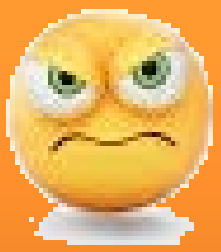

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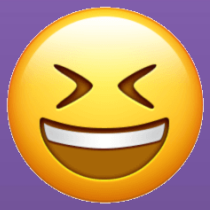

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