



SYBCA – (SEM – III)
303-Database Handling Using Python

QUESTION BANK

1. Explain how to Dump specific table into file and Dump only table structure providing appropriate example.
2. How to import a CSV file into a table and Export a CSV file into a table? Give appropriate example.
3. How to Set PYTHONPATH? Explain Concepts of Namespace, Scope and Packages in python.
4. Explain extract and write commands for csv and excel files using Dataframe.
5. Explain Dataframe functions with example: head, tail, loc, iloc, value and to_numpy().
6. What is Central Tendency measures? Describe mean, median, mode, variance, Standard Deviation.
7. What is difference between scatter, line, histogram and bar charts?
8. Explain Select, Insert, update, delete using execute () method to interact with SQLite table.
9. Differentiated between import and from statement.
10. Differences between SQL and SQLite
11. Explain the pointer handling function of file in python
12. Compare #include of 'C' language with Python's import statement.
13. Write a note on the data integrity constraints
14. Explain the SQLite parameterized query with suitable example.
15. Write a note on the statistical functions of pandas.
16. What is cursor? When we need to use cursor in Python? Explain with Example.
17. Write a note on triggers in SQLite
18. Explain the transaction and the commands used to handle transaction
19. In how many ways the graph can be plotted using the matplotlib. Give syntax and examples of each.
20. Write the steps to work with the SQLite database in python.
21. Give Commands to fetch the record of the data frames.
22. Explain exception handling in python.
23. How to Extracting specific attributes and rows from dataframe? Give appropriate example.

Short Question:

1. Name any Four SQLite Data Types ?
2. Define SQLite Affinity.
3. What do you mean by dot commands? Give example.
4. What is the use of .header command?
5. Write the command to Get the date of the coming Tuesday.
6. What is a package?
7. What is the use of strftime function?
8. What is the difference between readline() and readlines()?
9. Which is the library used to plot the graphs? give any one plotting function.
10. What is the use of the legend?
11. How can multiple graphs can be plotted in python?
12. What is the purpose of Transactional rollback?
13. What is the difference between Intersect and Except filters ?
14. Explain syntax of conditional Logic Statements (CASE Statement)
15. What is difference between self join and Full outer join ?
16. What is Trigger?
17. How a Trigger can be created and dropped? Give an Example?
18. What is the advantage and feature of SQLite ?

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