

M.K.INSITITUTE OF COMPUTER STUDIES
BHARUCH
SYBCA- SEM 3
Subject: 303 Database handling using Python
PRACTICAL ASSIGNMENT

1. Write steps to Dump whole Database into text file.
 2. Write steps to Dump selected tables into text file.
 3. Write steps to Dump table structure into text file.
 4. Write steps to Dump data of one or more table into text file.
 5. Write steps to Import csv file into table.
 6. Write steps to export csv file into table.
 7. Connect sqlite3 module with python and also create a database.
 8. Create table using sqlite3 python module and insert 5 records.
 9. Do the Following:
 - I. Select record in table using sqlite3 python module.
 - II. Update record in table using sqlite3 python module.
 - III. Delete record in table using sqlite3 python module.
 - IV. Fetch all records from table using fetchall() function.
 - V. Fetch any one record from table using fetchone() function.
 10. Write a Python code to create data file (CSV) file using CSV module:
 - I. Use open() method of the CSV module to create and open Student.csv file in “w” mode. The Student.csv file will contain (sid, sname, city, age) attributes.
 - II. Write a python code to store five records using writerow() method in CSV file. Make sure to add first row containing the title of the attributes.
 - III. Write a python code to open the csv file in ‘r’ mode. (Read mode). Using reader() method display all records available from the data file using for loop.
 11. Creation of dataframe using numpy and panda.
 12. Find mean, median, mode and standard deviation using numpy and panda.
 13. Perform following dataframe functions: 1.head(), 2.tail(), 3.loc(), 4.iloc(), 5.to_numpy()
 14. Create histogram chart using matplotlib library.
 15. Create line chart using matplotlib library.
 16. Create scatter chart using matplotlib library.
 17. Create column chart using matplotlib library.
 18. Create table, insert records, read records and plot a chart using matplotlib library.
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