

SMT. DIWALIBEN HARJIBHAI GONDALIA COLLEGE OF BCA & IT

PRACTICAL ASSIGNMENT (JOURNAL)

CLASS: S.Y.B.C.A. (3rd Semester)**SUBJECT:- Database Handling using Python-303(Practical)**

Sr. No.	Description	Page No.	Sign
1.	Create COLLEGE database and perform following tasks. A. Create following table using SQLite. Student(roll_no INTEGER Primary key, name text(20), city text(20), age INTEGER) B. Insert ten student records for Student table. C. Display all records of the Student table. D. Export the Student table to CSV file.		
2.	Write a command to Dump entire COLLEGE database with proper file name and tables structure into a file named as your rollno.		
3.	Write a trigger called AGECHECK on table employees that don't allow the insertion or update of any record that has an age less than 18.		
4.	Write a python script to create database "Bank.db" and perform following task. A. Create table Customer(c_id, name, act_type, balance). B. Insert 10 records. C. Read data into Data Frame. D. Display customer id and balance whose name starts with 'A'. E. Display last 3 records.		
5.	Write a python program to find mean, median, mode from set of numbers in a list.		
6	Consider a "product.csv" file columns pid, pname, category, price. A. Using writer object, write 5 records in product.csv. B. Read data using reader object. C. Insert all record into SQLite table "Product" using cursor object. D. Using cursor, display all record where price > 70.		
7	Create a text file data.txt and perform the following tasks: A. Write few lines into the file. B. Read the file. C. Count the total number of lines. D. Display the first line of the file..		
8	Write a Python script to perform the following operations on Sales. Sales(SalesID, Item, Region, Quantity, Revenue) A. Insert at least 10 records. B. Display all sales made in the "North" Region. C. Update Revenue = Revenue + 1000 for all sales where Quantity > 20. D. Draw a bar chart of total Revenue by Region.		

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9.	Write a Python script to perform the following operation on Movie. A. Create table Movie(MovieId, Title, Director, Genre, ReleaseYear) B. Insert atleast 10 records. C. Display all movies where Genre is 'Action' and ReleaseYear is between 2015 and 2021. D. Count the number of movies available in each Genre. E. Generate a Pie chart to show the number of movies per Genre.		
10.	Get total salary from employees table and show line plot with the following Style properties Generated line plot must include following Style properties: – A. Line Style dotted and Line-color should be red B. Show legend at the lower right location. C. X label name = salary D. Y label name = Employee name E. Add a circle marker. F. Line marker color as read G. Line width should be 3		