UDHNA CITIZEN COMMERCE COLLEGE & SPB COLLEGE OF BUSINESS ADMINISTRATION &

SMT. DIWALIBEN HARJIBHAI GONDALIA COLLEGE OF BCA & IT
PRACTICAL ASSIGNMENT (JOURNAL)
CLASS: S.Y.B.C.A. (3rd Semester)
SUBJECT: Practical (Database Handling using Python)-306

Date: 22/07/2021

Sr. No.	Description		Page No.	Sign
1	Create the following tables and enter at least 10 records with appropriate constraints: **Employees**(employee_id, first_name, last_name, age, email, phone_number, hire_date, job_id, salary, commission_pct, manager_id, department_id) **Departments**(Department_Id, Department_Name, Manager_Id, Location_Id) **Locations**(location_id, street_address, postal_code city, state_province, country_id) **Countries(**country_id, country_name, region_id)			
	A)	Write a query to display the names (first_name, last_name) using alias name "First Name", "Last Name"		
	B)	Write a query to select first 10 records from a table		
	C)	Write a query to display the last names of employees whose names have exactly 6 characters		
	D)	Write a query to get the department ID and the total salary payable in each department		
	E)	Write a query to find the names (first_name, last_name) of the employees who have a manager who works for a department based in the United States		
	F)	Write a query to find the names (first_name, last_name), the salary of the employees who earn more than the average salary and who works in any of the IT departments		
	G)	Write a query to find the employee id, name (last_name) along with their manager_id, manager name (last_name).		
	H)	Write a query to display the job title and average salary of employees.		
	I)	Write a query to find the addresses (location_id, street_address, city, state_province, country_name) of all the departments		
2	Write a command to Dump entire 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.			

UDHNA CITIZEN COMMERCE COLLEGE & SPB COLLEGE OF BUSINESS ADMINISTRATION &
SMT. DIWALIBEN HARJIBHAI GONDALIA COLLEGE OF BCA & IT
PRACTICAL ASSIGNMENT (JOURNAL)
CLASS: S.Y.B.C.A. (3rd Semester)
SUBJECT: Practical (Database Handling using Python)-306

Date: 22/07/2021

4	Write a python program to find mean, median, mode from set of numbers in a list.		
5	Write a python program to retrieve all rows from employee table and display the column values in tabular format.		
6	Write a python program to read CSV file and upload data into table.		
7	Write a python program to retrieve all rows from employee table and dump into 'employee_details.csv' CSV file.		
8	Write a program to implement DML operations using sqlite3.		
9	Get total salary from employees table and show line plot with the following Style properties Generated line plot must include following Style properties: – • Line Style dotted and Line-color should be red • Show legend at the lower right location. • X label name = salary • Y label name = Employee name • Add a circle marker. • Line marker color as read • Line width should be 3		
10	Use employee_details.csv file and read salary and commission_pct data and show it using the bar chart The bar chart should display the number of units for each employee. Add a separate bar for each first name in the same chart.		