

Govt. Engineering College Wayanad
Department of Computer Science and Engineering
Application Software Development Lab Questions

EXP1 - DDL commands

Consider the database for an organisation.

Write the queries for the following

- (i) Create the database
- (ii) Select the current database
- (iii) Create the following tables.
 - a. employee (emp_no, emp_name, DOB, address, doj, mobile_no, dept_no, salary).
 - b. department (dept_no, dept_name, location).
- (iv) Include necessary constraints.
- (v) List all the tables in the current database
- (vi) Display the structure of the employee table
- (vii) Add a new column Designation to the employee table
- (viii) Drop the column location from Dept table
- (ix) Drop the tables
- (x) Delete the database

NOTE:

Doj: date of joining

EXP 2 - DML commands

Consider the database for an organisation. Write the queries for the following

Create the following tables.

- a. employee (emp_no, emp_name, DOB, address, doj, mobile_no, dept_no, salary).
- b. department (dept_no, dept_name, location).
- (i) Add 7 rows in the employee and 3 row in the dept tables
 - > Dept_name can be based on the organization you selected (education, tourism, etc)
 - > One of the employee Name should be John.
 - > salary should be between 10000-50000
- (ii) Display all the records from the above tables
- (iii) Display the empno and name of all the employees from department no2
 - > Add a new column Designation to the employee table

(Coordinator, Administrator, Assistant, Manager, Clerk, Typist)

- (iv) Display empno,name,designation,dept no and salary in the descending order of salary
- (v) Display the empno and name of all employees whose salary is between 20000 and 40000
- (vi) Display all designations without duplicate values.
- (vii) Display the dept name and total salary of employees of each department.
- (viii) Change the salary of employees to 25000 whose designation is 'Typist'
- (ix) Change the mobile no of employee named 'john'
- (x) Delete all employees whose salaries are equal to X (select any salary value from your table for X)
- (xi) Select the department that has a total salary paid for its employees more than 30000.

EXP 3 - DML commands

Consider the database for a college. Write the query for the following.

- (i) Create the tables:

Student (S_id, name, gender, dob,dept_no)

Department (dept_no, dept_name)

Faculty (F_id, name, designation, salary,dept_no)

- (ii) Describe the structure of all tables
- (iii) Modify the student table to add a new field 'grade'
- (iv) Insert at least 5 tuples into each table.
- (v) List the details of students in the ascending order of date of birth
- (vi) Display the details of students from computer department
- (vii) List the faculties in the descending order of salary