

Module End Lab Exam (DBT)

Course Name:	PG – DAC	Batch :	Aug 2024
Module Name:	Database Technologies	Date:	09 / 09 / 2024
Max. Marks:	40	Duration :	2:00 Hours

Instructions :

1. Create new Workspace (**Folder**) by the name **DBT_RollNo**.
2. Create new Text Document with name **DBT_RollNo_Solution** and save it in above Folder.
3. Copy Queries and Output Screenshot in text document.
4. After Evaluation, First Compress/Zip your **Folder** (named **DBT_RollNo**) and upload it on EMIS.

Evaluation of Lab Exam should be based on the following criteria :**Self-declaration for Paper Code – B**

Sr. No.	Points to cover	Tick Mark by student	Max Marks	Marks by Evaluator
1.	MySQL Queries	<input type="checkbox"/>	20	
2.	Stored Procedure	<input type="checkbox"/>	10	
3.	Function	<input type="checkbox"/>	10	
			Total :	_____

 Signature of Student

 Signature of Evaluator

Section I: Write SELECT statements to achieve the following (20 marks)
(Use Lab_Exam_B db)

1. Find departments where the manager ID is either 200, 201, or 202 using the IN operator.
2. Find departments where the department ID is greater than 50 and the manager ID is not null.
3. Use a subquery to find all departments with the maximum location ID.
4. Extract the first three characters of each country name.
5. Concatenate department name and manager ID with a custom message.
6. List Employees with Salaries above 10,000 or with a "Sales" Job Title.
7. Find the average salary for each job title in the company and output should be in descending ORDER of average salary.
8. Write an SQL query to retrieve the FIRST_NAME, LAST_NAME, and SALARY of all employees in the 'Sales' department.
9. Increase the salary of all employees in department 30 by 10%.
10. Find the largest date between '02/02/2022' and '16/08/2023'.
(Date format must be dd/mm/yyyy separated by slash for above input date as well as in output)

Section II: MySQL Program (20 marks)

1. Create a procedure that removes employees from department with fewer than 5 employees.
2. Create a function to calculate the average salary of a department (Input: department id)