

CL-2005: Database Systems (AI/DS) Lab

Friday, 28th April 2023

Lab Instructors

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Serial No:

Sessional Exam

Exam Time: 1 Hour 20
Minutes

Submission Time: 10
Minutes

Total Time: 1.5 Hour

Total Marks: 40

DO NOT START UNTIL INSTRUCTED.

Instructions:

1. Attempt the MYSQL workbench only. Read the question carefully, understand the question, and then attempt it.
2. No sheet will be provided for rough work.
3. After being asked to commence the exam, please verify that you have **Two (2)** different printed pages including this title page. There is a total of **2** questions.
4. Plagiarism or cheating cases during lab exams directly award 0 marks.
5. Internet and any other helping material are not allowed during the exam.
6. Submit a **Rollno_Section.sql** file with the proper question number (on Google Classroom only and email your corresponding instructor only if you are from another section).
7. Submission tab will open 10 minutes before the end time.

	Q-1	Q-2	Total
Marks Obtained			
Total Marks	20	20	50

Note: Import the **Sales_co database** to MYSQL workbench before the start of the exam

Question 1 SQL [10 + 10 Marks]

1. Write a SQL query to retrieve the name and balance of all customers who have purchased a product with a discount of 10% or more.
2. Write a SQL query to retrieve the name, phone number, and balance of all customers who have purchased products from vendor code 21225.

Question 2 PLSQL [10 + 10 Marks]

- 1) Create a trigger that sets the value of cus_balance to 55 after every row is added to the invoice table where both tables have the same customer code. Add the record and show the results

Syntax

```
DELIMITER $$  
CREATE TRIGGER before_sales_update  
BEFORE UPDATE  
ON sales FOR EACH ROW  
BEGIN  
END$$  
DELIMITER ;
```

- 2) Create a procedure that calculates the square of each number up to the integer passed in the parameter