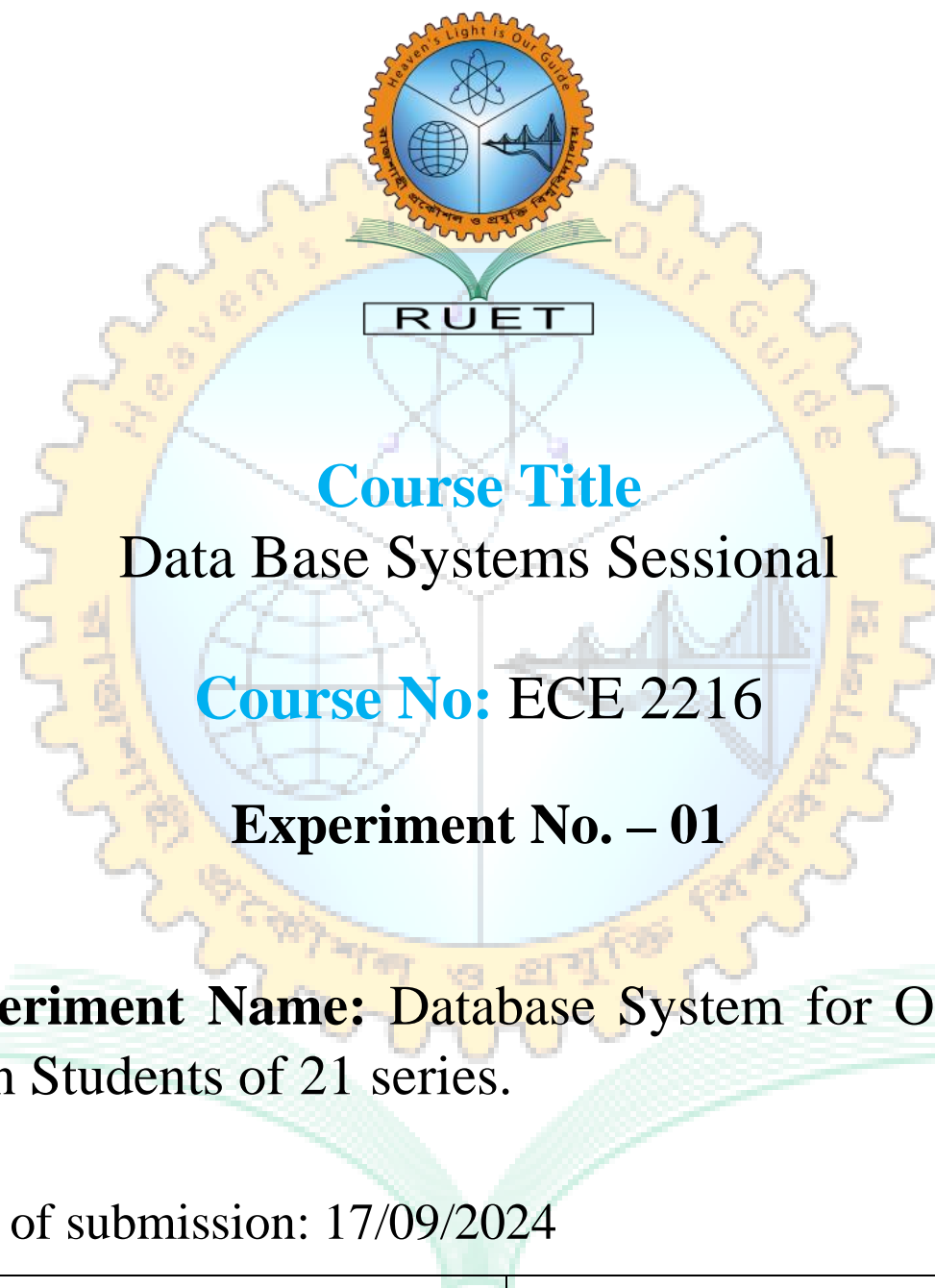


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Experiment Name: Database System for Odd & Even Students of 21 series.

Date of submission: 17/09/2024

<u>Submitted to:</u>	<u>Submitted by:</u>
Oishi Jyoti Assistant Professor Department of ECE, RUET	Muhammad Nisar Uddin Roll: 2110027 Reg. No: 1081/2021-2022 ECE-21 series, RUET

Task: Create a database system for class 21 where there are 2 table for odd and even batch containing following information for 10 students:

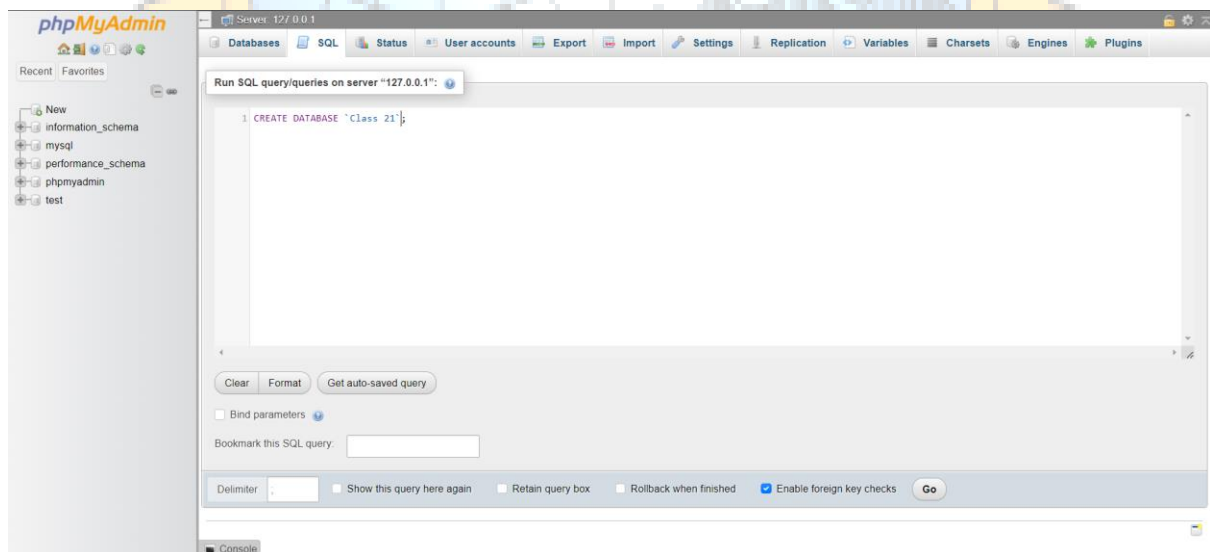
ID, Name, Contact, Blood Group, Major Subject, Obtained Mark.

Objective:

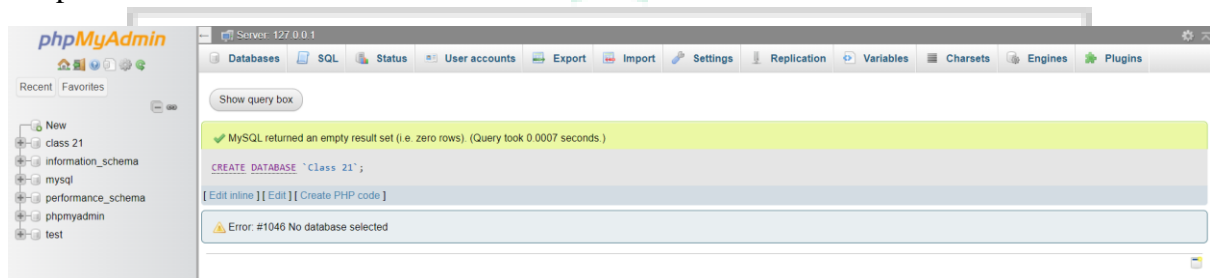
- i. To learn about the database system using XAMP.
- ii. To know about SQL and NoSQL database system.
- iii. To differentiate between DML and DDL in SQL.
- iv. To learn about the query language to create tables and inputs in a database system.
- v. To apply queries to solve real life scenarios.

Query & Output:

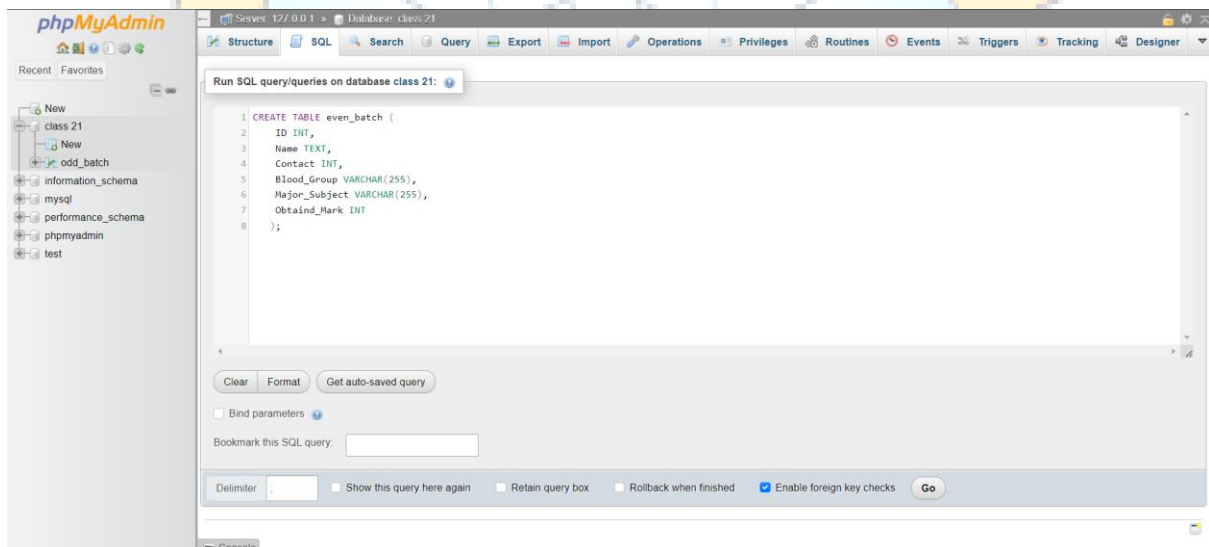
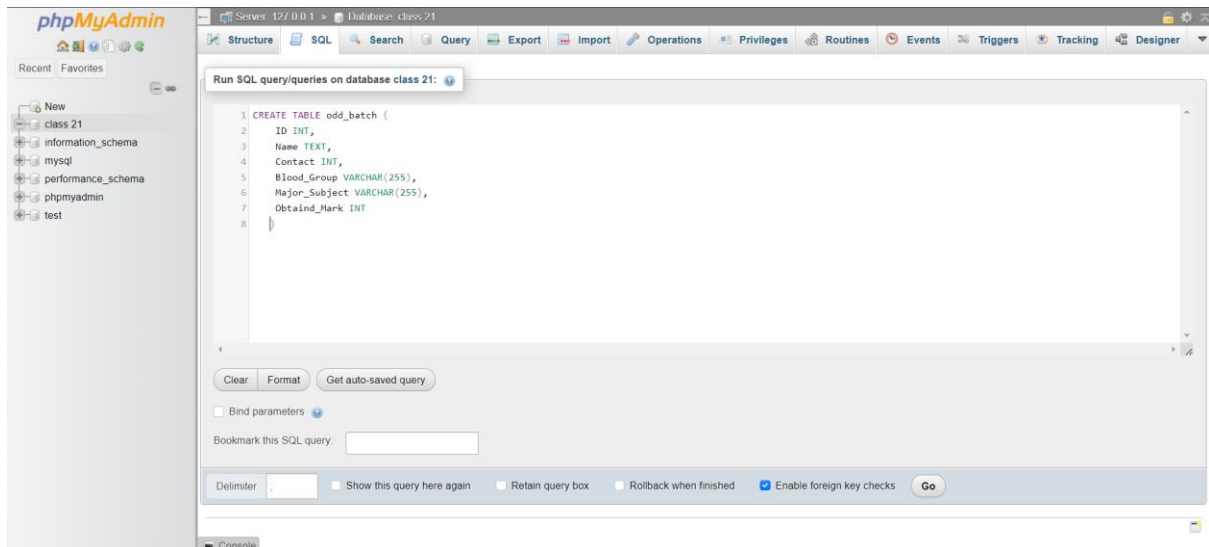
Creating Database:



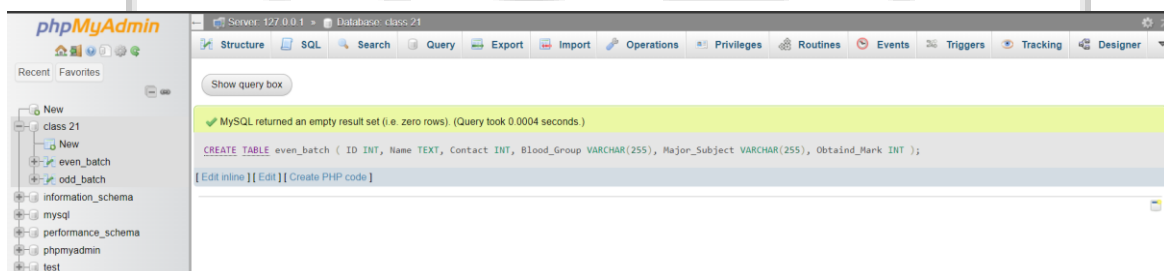
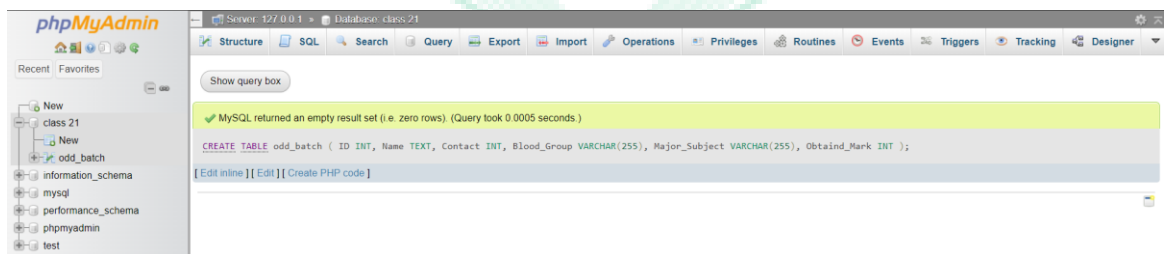
Output:



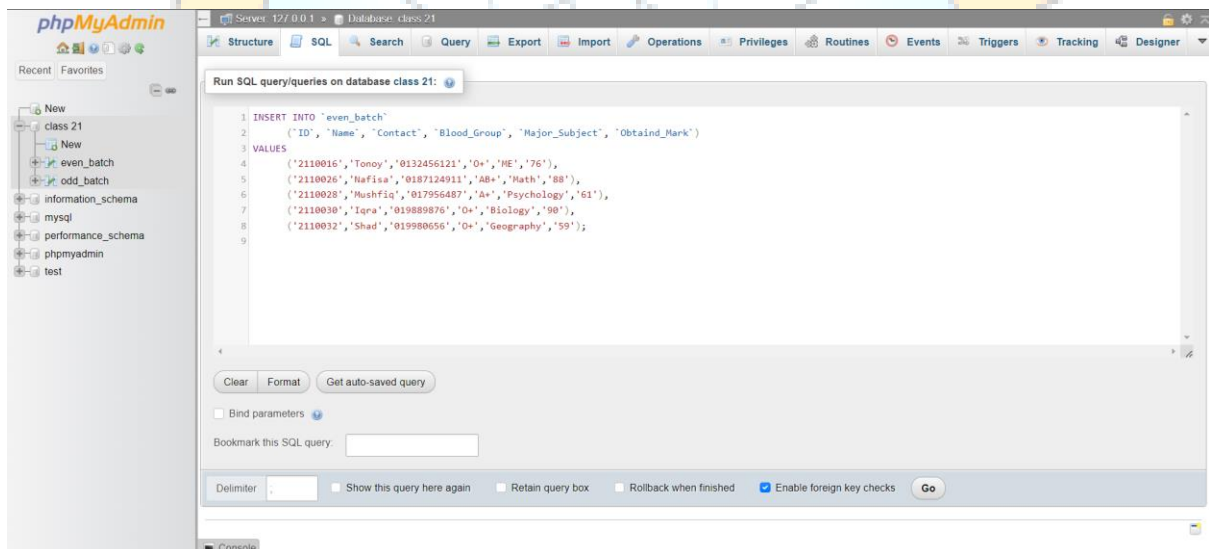
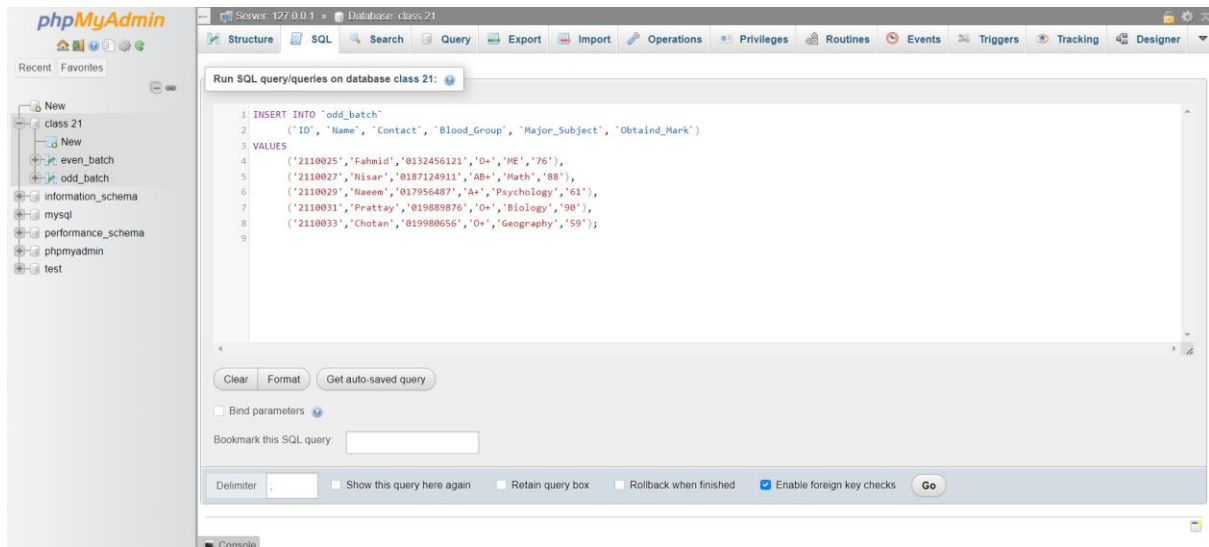
Creating Table:



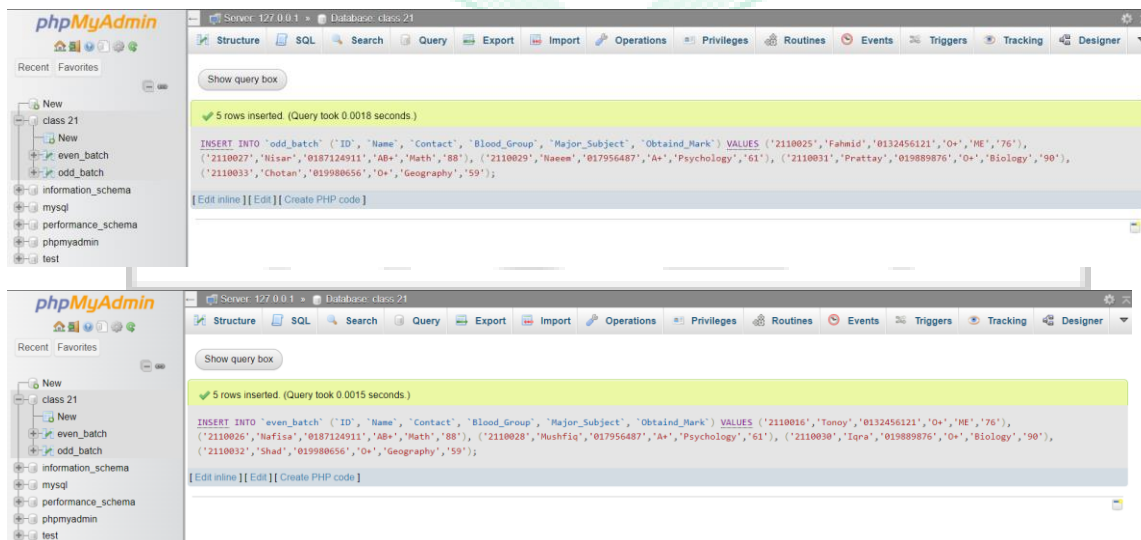
Output:



Inserting Students Data:



Output:



Final Output:

The screenshot shows the phpMyAdmin interface for a database named 'class 21'. The left sidebar displays the database structure with tables: 'even_batch', 'odd_batch', 'information_schema', 'mysql', 'performance_schema', 'phpmyadmin', and 'test'. The main panel shows the 'Structure' tab for the 'class 21' database. It lists two tables: 'even_batch' and 'odd_batch'. Below the table list, there is a 'Create new table' section with fields for 'Table name' and 'Number of columns' (set to 4), and a 'Create' button.

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> even_batch	Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> odd_batch	Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_general_ci	16.0 KiB	-
2 tables	Sum	10	InnoDB	utf8mb4_general_ci	32.0 KiB	0 B

The screenshot shows the phpMyAdmin interface for the 'odd_batch' table. The main panel displays the table structure and data. The table has columns: ID, Name, Contact, Blood_Group, Major_Subject, and Obtained_Mark. The data is shown in a table format with 5 rows. Below the table, there are options for 'Query results operations' including 'Print', 'Copy to clipboard', 'Export', 'Display chart', and 'Create view'. There is also a 'Bookmark this SQL query' button.

ID	Name	Contact	Blood_Group	Major_Subject	Obtained_Mark
2110025	Fahmid	132456121	O+	ME	76
2110027	Nisar	187124911	AB+	Math	88
2110029	Naeem	17956487	A+	Psychology	61
2110031	Prattay	19889876	O+	Biology	90
2110033	Chotan	19980656	O+	Geography	59

The screenshot shows the phpMyAdmin interface for the 'even_batch' table. The main panel displays the table structure and data. The table has columns: ID, Name, Contact, Blood_Group, Major_Subject, and Obtained_Mark. The data is shown in a table format with 5 rows. Below the table, there are options for 'Query results operations' including 'Print', 'Copy to clipboard', 'Export', 'Display chart', and 'Create view'. There is also a 'Bookmark this SQL query' button.

ID	Name	Contact	Blood_Group	Major_Subject	Obtained_Mark
2110018	Tonoy	132456121	O+	ME	76
2110026	Nafisa	187124911	AB+	Math	88
2110028	Mushfiq	17956487	A+	Psychology	61
2110030	Iqra	19889876	O+	Biology	90
2110032	Shad	19980656	O+	Geography	59