

Heavens Light is Our Guide
Rajshahi University of Engineering & Technology



Course Title
Data Base Systems Sessional

Course No: ECE 2216

Lab Report: 01

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Experiment No: 01

Experiment Name: Create a database system for class 21 where there are 2 tables for odd and even batch containing following information for 10 students- ID, Name, Contact, Blood Group, Major Subject, Obtained Marks.

Objective:

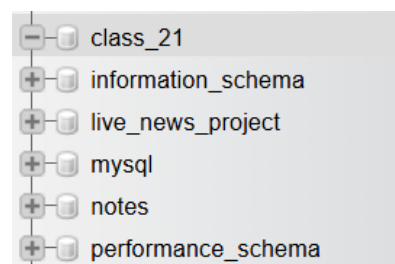
1. Study various operation of Data Definition Language (DDL)
2. Study various operation of Data Manipulation Language (DML)

Query and Output:

Query to create a new database:

```
Run SQL query/queries on server "127.0.0.1:3308":  
1 CREATE DATABASE `class_21`;
```

Output:



Query to create a new tables:

```
Run SQL query/queries on database class_21:  
1 CREATE TABLE `odd` (  
2     id INT(100),  
3     name VARCHAR(255),  
4     contact VARCHAR(255),  
5     blood_group VARCHAR(255),  
6     major_subject VARCHAR(255),  
7     obtained_marks INT(100)  
8 );  
9 CREATE TABLE `even` (  
10    id INT(100),  
11    name VARCHAR(255),  
12    contact VARCHAR(255),  
13    blood_group VARCHAR(255),  
14    major_subject VARCHAR(255),  
15    obtained_marks INT(100)  
16 );
```

Output:

Table	Action
<input type="checkbox"/> even	Browse Structure Search Insert Empty Drop
<input type="checkbox"/> odd	Browse Structure Search Insert Empty Drop
2 tables Sum	

Inserting Data of 10 Students:

Run SQL query/queries on table class_21.odd:

```
1 INSERT INTO `odd` (`id`,`name`,`contact`,`blood_group`,`major_subject`,`obtained_marks`) VALUES
2 (1,'Sadik','01123456789','A+ve','computer',70),
3 (2,'Nahid','01223456789','B+ve','computer',50),
4 (3,'Samia','01323456789','A+ve','computer',75),
5 (4,'Radia','01423456789','B+ve','computer',65),
6 (5,'Hridoy','01523456789','B+ve','computer',55),
7 (6,'Jahin','01623456789','A+ve','computer',93),
8 (7,'Himel','01723456789','B+ve','electrical',90),
9 (8,'Zanifa','01823456789','A+ve','computer',88),
10 (9,'Prithu','01923456789','A+ve','computer',58),
11 (10,'Rubayed','01023456789','A+ve','computer',64)
```

Output:

id	name	contact	blood_group	major_subject	obtained_marks
1	Sadik	01123456789	A+ve	computer	70
2	Nahid	01223456789	B+ve	computer	50
3	Samia	01323456789	A+ve	computer	75
4	Radia	01423456789	B+ve	computer	65
5	Hridoy	01523456789	B+ve	computer	55
6	Jahin	01623456789	A+ve	computer	93
7	Himel	01723456789	B+ve	electrical	90
8	Zanifa	01823456789	A+ve	computer	88
9	Prithu	01923456789	A+ve	computer	58
10	Rubayed	01023456789	A+ve	computer	64

Query to update a row in table:

Run SQL query/queries on database class_21:

```
1 UPDATE `odd` SET `id`=11, `name`='Mosabbir', `contact`='01112345678', `blood_group`='A+ve', `major_subject`='electrical', `obtained_marks`='80' WHERE
`odd`.`id` = 5;
```

Output:

id	name	contact	blood_group	major_subject	obtained_marks
1	Sadik	01123456789	A+ve	computer	70
2	Nahid	01223456789	B+ve	computer	50
3	Samia	01323456789	A+ve	computer	75
4	Radia	01423456789	B+ve	computer	65
11	Mosabbir	01112345678	A+ve	electrical	80
6	Jahin	01623456789	A+ve	computer	93
7	Himel	01723456789	B+ve	electrical	90
8	Zanifa	01823456789	A+ve	computer	88
9	Prithu	01923456789	A+ve	computer	58
10	Rubayed	01023456789	A+ve	computer	64

Query to delete a row from table:

Run SQL query/queries on database class_21: 

```
1 DELETE FROM `even` WHERE `id` = 5;
```

Output:

id	name	contact	blood_group	major_subject	obtained_marks
1	Sadik	01123456789	A+ve	computer	70
2	Nahid	01223456789	B+ve	computer	50
3	Samia	01323456789	A+ve	computer	75
4	Radia	01423456789	B+ve	computer	65
6	Jahin	01623456789	A+ve	computer	93
7	Himel	01723456789	B+ve	electrical	90
8	Zanifa	01823456789	A+ve	computer	88
9	Prithu	01923456789	A+ve	computer	58
10	Rubayed	01023456789	A+ve	computer	64