

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 tables:

```
CREATE TABLE even_batch (  
    id INT(100),  
    name VARCHAR(100) NOT NULL,  
    contact VARCHAR(15) NOT NULL,  
    blood_group VARCHAR(5),  
    major_subject VARCHAR(100),  
    obtained_marks INT NOT NULL  
);
```

```
CREATE TABLE odd_batch (  
    id INT(100),  
    name VARCHAR(100) NOT NULL,  
    contact VARCHAR(15) NOT NULL,  
    blood_group VARCHAR(5),  
    major_subject VARCHAR(100),  
    obtained_marks INT NOT NULL  
);
```

Output Even & Odd Batch:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	id	int(100)			Yes	NULL			Change Drop More
<input type="checkbox"/> 2	name	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	contact	varchar(15)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 4	blood_group	varchar(5)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 5	major_subject	varchar(100)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 6	obtained_marks	int(11)			No	None			Change Drop More

Inserting Data of 10 Students:

```

1 INSERT INTO odd(id, name, contact, blood_group, major_subject, obtained_marks)
2 VALUES
3 ('2110001', 'Sadik', '01236548966', 'O+ve', 'CSE', 73),
4 ('2110002', 'Nahid', '01296575616', 'O-ve', 'CSE', 63),
5 ('2110003', 'Samia', '01230748363', 'B+ve', 'EEE', 65),
6 ('2110004', 'Radia', '01138548066', 'A+ve', 'CSE', 68),
7 ('2110005', 'Hridoy', '01236640326', 'AB+ve', 'CSE', 63),
8 ('2110006', 'Jahin', '01336262912', 'O+ve', 'CSE', 89),
9 ('2110007', 'Hemel', '0125648167', 'O+ve', 'EEE', 87),
10 ('2110008', 'Zanifa', '01212555690', 'O+ve', 'EEE', 76),
11 ('2110009', 'Prithu', '01248545686', 'O+ve', 'CSE', 45),
12 ('2110010', 'Rubayed', '01136894861', 'O+ve', 'EEE', 62);
13

```

Output:

id	name	contact	blood_group	major_subject	obtained_marks
2110001	Sadik	1236548966	O+ve	CSE	73
2110002	Nahid	1296575616	O-ve	CSE	63
2110003	Samia	1230748363	B+ve	EEE	65
2110004	Radia	1138548066	A+ve	CSE	68
2110005	Hridoy	1236640326	AB+ve	CSE	63
2110006	Jahin	1336262912	O+ve	CSE	89
2110007	Hemel	125648167	O+ve	EEE	87
2110008	Zanifa	1212555690	O+ve	EEE	76
2110009	Prithu	1248545686	O+ve	CSE	45
2110010	Rubayed	1136894861	O+ve	EEE	62

Query to update a row in table:

```

1 UPDATE odd SET
2     id = '2110011',
3     name = 'Mosabbir',
4     contact = '01112345678',
5     blood_group = 'A+',
6     major_subject = 'EEE',
7     obtained_marks = '80'
8 WHERE id = '2110005';
9

```

Output:

id	name	contact	blood_group	major_subject	obtained_marks
2110001	Sadik	1236548966	O+ve	CSE	73
2110002	Nahid	1296575616	O-ve	CSE	63
2110003	Samia	1230748363	B+ve	EEE	65
2110004	Radia	1138548066	A+ve	CSE	68
2110011	Mosabbir	1112345678	A+	EEE	80
2110006	Jahin	1336262912	O+ve	CSE	89
2110007	Hemel	125648167	O+ve	EEE	87
2110008	Zanifa	1212555690	O+ve	EEE	76
2110009	Prithu	1248545686	O+ve	CSE	45
2110010	Rubayed	1136894861	O+ve	EEE	62

