

Heavens Light is Our Guide
Rajshahi University of Engineering & Technology



Course Title
Data Base Systems Sessional

Course No: ECE 2216

Lab Report- 01

Date of submission: September 16,2024

Submitted By:	Submitted To:
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Exp No.: 01

Exp Name: Create a database system for Class 21 where there are 2 tables for odd and even batch, containing the following information for 10 students (Id, Name, Contact, Blood Group, Major Subject, Obtained Marks).

Objective: To develop a database system that efficiently organizes and manages student data for two separate groups.

Query And Output:

- SQL code to create the table for the Even and Odd Batch:
- **Even Batch:**

```
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  
);
```

#	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

- **Odd Batch:**

```
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
);
```

#	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

- SQL code to input the data:

- **Even Batch:**

```
1 INSERT INTO even_batch (id, name, contact, blood_group, major_subject, obtained_marks)
2 VALUES
3 ('2110030','Jannatul Ferdous', '1234567890', 'A+', 'Mathematics', 85),
4 ('2110008','Zanifa Islam', '0987654321', 'B-', 'Physics', 90),
5 ('2110004','Samia Jahan', '1231231234', 'O+', 'Biology', 88),
6 ('2110050','Proma Sarker', '2342342345', 'AB+', 'Mathematics', 92),
7 ('2110018','Md. Shahin Alam', '3453453456', 'A-', 'Biology', 95),
8 ('2110002','Md. Abidur Rahman', '4564564567', 'O-', 'History', 87),
9 ('2110012','Md. Rahman', '5675675678', 'B+', 'History', 84),
10 ('2110028','Mushfiqur Rahman', '6786786789', 'AB-', 'Physics', 89),
11 ('2110036','Mr. Rafiu', '7897897890', 'A+', 'Biology', 93),
12 ('2110022','Shakkhor Rahman', '8908908901', 'B+', 'Mathematics', 91);
13
```

- **Odd Batch:**

```

INSERT INTO odd_batch (id, name, contact, blood_group, major_subject, obtained_marks)
VALUES
('2110029','Naeem Mahmud', '1234567890', 'A+', 'Mathematics', 85),
('2110007','Mohona Rashid', '0987654321', 'B-', 'Physics', 90),
('2110005','Fouzia Sithy', '1231231234', 'O+', 'Biology', 88),
('2110049','Nafisha Nawar', '2342342345', 'AB+', 'Mathematics', 92),
('2110017','Farhana Islam Saima', '3453453456', 'A-', 'Biology', 95),
('2110001','Samanta Ahmed Nuha', '4564564567', 'O-', 'History', 87),
('2110011','Sumaiya Mustary Esha', '5675675678', 'B+', 'History', 84),
('2110047','Afsana Islam', '6786786789', 'AB-', 'Physics', 89),
('2110035','Nur E Shahrin Trisha', '7897897890', 'A+', 'Biology', 93),
('2110025','Sanjana Islam Orpa', '8908908901', 'B+', 'Mathematics', 91);

```

- **Final Output:**
- **Even Batch:**

id	name	contact	blood_group	major_subject	obtained_marks
2110030	Jannatul Ferdous	1234567890	A+	Mathematics	85
2110008	Zanifa Islam	0987654321	B-	Physics	90
2110004	Samia Jahan	1231231234	O+	Biology	88
2110050	Proma Sarker	2342342345	AB+	Mathematics	92
2110018	Md. Shahn Alam	3453453456	A-	Biology	95
2110002	Md. Abidur Rahman	4564564567	O-	History	87
2110012	Md. Rahman	5675675678	B+	History	84
2110028	Mushfiqur Rahman	6786786789	AB-	Physics	89
2110036	Mr. Rafiu	7897897890	A+	Biology	93
2110022	Shakkhor Rahman	8908908901	B+	Mathematics	91

- **Odd Batch:**

id	name	contact	blood_group	major_subject	obtained_marks
2110029	Naeem Mahmud	1234567890	A+	Mathematics	85
2110007	Mohona Rashid	0987654321	B-	Physics	90
2110005	Fouzia Sithy	1231231234	O+	Biology	88
2110049	Nafisha Nawar	2342342345	AB+	Mathematics	92
2110017	Farhana Islam Saima	3453453456	A-	Biology	95
2110001	Samanta Ahmed Nuha	4564564567	O-	History	87
2110011	Sumaiya Mustary Esha	5675675678	B+	History	84
2110047	Afsana Islam	6786786789	AB-	Physics	89
2110035	Nur E Shahrin Trisha	7897897890	A+	Biology	93
2110025	Sanjana Islam Orpa	8908908901	B+	Mathematics	91