

Big Data Tools for Managers

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This exercise makes you to get familiar with DDL Alter statement in MySQL.

Table Name : EVENTS

EVENT_ID	NAME	DATE	VENUE
EVT_1	NATIONAL LEVEL PAPER PRESENTATION	2023-01-01	BIRALA AUDITORIUM
EVT_2	TECHNICAL QUIZ	2023-02-18	MBA DEPARTMENT
EVT_3	SPANDANA [STATE LEVEL CULTURAL FESTIVAL]	2023-03-15	BIRALA AUDITORIUM
EVT_4	HACKATHON	2023-06-06	ADMIN BLOCK

Write a DDL SQL statements for the following questions:

1. Create EVENTS above given tables along with the data.
2. Add new column COLLEGE with Default Value SIT
3. Add multiple columns CITY, STATE, PINCODE with Default Value
4. View the table data
5. Delete column STATE from EVENTS table
6. Rename column NAME to EVENT_NAME in EVENTS table
7. Rename EVENTS table to EVENTS_2023

1. Create EVENTS above given tables along with the data.

```
CREATE TABLE EVENTS (  
    EVENT_ID CHAR(10),  
    NAME VARCHAR(50),  
    DATE DATE,  
    VENUE VARCHAR(50)  
);
```

```
INSERT INTO EVENTS VALUES ("EVT_1", "NATIONAL LEVEL PAPER PRESENTATION", "2023-01-01", "BIRALA AUDITORIUM");  
INSERT INTO EVENTS VALUES ("EVT_2", "TECHNICAL QUIZ", "2023-02-18", "MBA DEPARTMENT");  
INSERT INTO EVENTS VALUES ("EVT_3", "SPANDANA [STATE LEVEL CULTURAL FESTIVAL]", "2023-03-15", "BIRALA AUDITORIUM");  
INSERT INTO EVENTS VALUES ("EVT_4", "HACKATHON", "2023-01-01", "ADMIN BLOCK");
```

2. Add new column COLLEGE with Default Value SIT

```
ALTER TABLE EVENTS  
ADD COLUMN COLLEGE VARCHAR(10) DEFAULT "SIT";
```

3. Add multiple columns CITY, STATE, PINCODE with Default Value

```
ALTER TABLE EVENTS  
ADD COLUMN CITY VARCHAR(10) DEFAULT "TUMKUR",  
ADD COLUMN STATE VARCHAR(10) DEFAULT "KARNATAKA",  
ADD COLUMN PINCODE VARCHAR(6) DEFAULT "572103";
```

4. View the table data

```
SELECT * FROM EVENTS;
```

SELECT * FROM EVENTS;							
<input type="checkbox"/> Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]							
<input type="checkbox"/> Show all Number of rows: 25 ▼ Filter rows: <input type="text" value="Search this table"/>							
+ Options							
EVT_ID	NAME	DATE	VENUE	COLLEGE	CITY	STATE	PINCODE
EVT_1	NATIONAL LEVEL PAPER PRESENTATION	2023-01-01	BIRALA AUDITORIUM	SIT	TUMKUR	KARNATAKA	572103
EVT_2	TECHNICAL QUIZ	2023-02-18	MBA DEPARTMENT	SIT	TUMKUR	KARNATAKA	572103
EVT_3	SPANDANA [STATE LEVEL CULTURAL FESTIVAL]	2023-03-15	BIRALA AUDITORIUM	SIT	TUMKUR	KARNATAKA	572103
EVT_4	HACKATHON	2023-01-01	ADMIN BLOCK	SIT	TUMKUR	KARNATAKA	572103

5. Delete column STATE from EVENTS table

```
ALTER TABLE EVENTS  
DROP COLUMN STATE;
```

6. Rename column NAME to EVENT_NAME in EVENTS table

```
ALTER TABLE EVENTS  
CHANGE COLUMN NAME EVENT_NAME VARCHAR(50);
```

View table data

```
SELECT * FROM EVENTS;
```

7. Rename EVENTS table to EVENTS_2023

```
ALTER TABLE EVENTS  
RENAME TO EVENTS_2023;
```