

SQL Queries

```
mysql> --database is created
mysql> create database student;
Query OK, 1 row affected (0.01 sec)
mysql> -- use student database
mysql> use student;
Database changed
mysql> -- table is created inside student database
mysql> create table train
->
-> (train_no      varchar(5),
-> train_name     varchar(20),
-> time           time,
-> date           date);
Query OK, 0 rows affected (0.02 sec)
mysql> --showing structure of the table
mysql> desc train;
```

Field	Type	Null	Key	Default	Extra
train_no	varchar(5)	YES		NULL	
train_name	varchar(20)	YES		NULL	
time	time	YES		NULL	
date	date	YES		NULL	

```
4 rows in set (0.00 sec)
mysql> --making primary key using alter table cmd
mysql> alter table train
-> modify train_no      varchar(5) primary key;
Query OK, 0 rows affected (0.07 sec)
Records: 0  Duplicates: 0  Warnings: 0
mysql> -- inserting multiple rows in train table
mysql> INSERT INTO TRAIN
VALUES('T001','DEEP EXPRESS', '11:00', '2023-04-23'),
('T002','OCEAN EXPRESS', '12:00', '2023-05-23'),
('T003','SUB EXPRESS', '13:30', '2023-06-23'),
('T004','CHENNAI EXPRESS', '14:00', '2023-07-23'),
('T005','ADI EXPRESS', '18:30', '2023-08-23'),
('T006','AXIEL EXPRESS', '16:30', '2023-09-23');
Query OK, 6 rows affected (0.02 sec)
mysql> --showing the details of trains from the table
```

```
mysql> select*from train;
```

train_no	train_name	time	date
T001	DEEP EXPRESS	11:00:00	2023-04-23
T002	OCEAN EXPRESS	12:00:00	2023-04-25
T003	SUB EXPRESS	13:30:00	2023-06-23
T004	CHENNAI EXPRESS	14:00:00	2023-07-23
T005	ADI EXPRESS	18:30:00	2023-08-23
T006	AXIEL EXPRESS	16:30:00	2023-09-23

6 rows in set (0.00 sec)

mysql> /* 1. Find the details of those train with train_no 'T001' or 'T006'.*/

mysql> select*from train

-> where train_no= 'T001' or train_no = 'T006';

train_no	train_name	time	date
T001	DEEP EXPRESS	11:00:00	2023-04-23
T006	AXIEL EXPRESS	16:30:00	2023-09-23

2 rows in set (0.00 sec)

mysql> -- 2. Update the details of those trains whose departure time is > '12:00'(update details -> Date change -> 23 to 25).

mysql> update train

-> set date = '2023-04-25'

-> where time > '12:00';

Query OK, 4 rows affected (0.01 sec)

mysql> SELECT*FROM TRAIN;

train_no	train_name	time	date
T001	DEEP EXPRESS	11:00:00	2023-04-23
T002	OCEAN EXPRESS	12:00:00	2023-04-25
T003	SUB EXPRESS	13:30:00	2023-04-25
T004	CHENNAI EXPRESS	14:00:00	2023-04-25
T005	ADI EXPRESS	18:30:00	2023-04-25
T006	AXIEL EXPRESS	16:30:00	2023-04-25

mysql> --3. Add a new coloumn and name is 'platform no' with data type integer.

mysql> alter table train

-> add platform_no int(4);

Query OK, 0 rows affected, 1 warning (0.01 sec)

Records: 0 Duplicates: 0 Warnings: 1

mysql> desc train;

Field	Type	Null	Key	Default	Extra
train_no	varchar(5)	NO	PRI	NULL	
train_name	varchar(20)	YES		NULL	
time	time	YES		NULL	
date	date	YES		NULL	
platform_no	int	YES		NULL	

5 rows in set (0.00 sec)

mysql> --4. Delete details of the train whose train_no is T006.

mysql> delete from train

-> where train_no = 'T006';

Query OK, 1 row affected (0.01 sec)

mysql> select*from train;

train_no	train_name	time	date	platform_no
T001	DEEP EXPRESS	11:00:00	2023-04-23	NULL
T002	OCEAN EXPRESS	12:00:00	2023-04-25	NULL
T003	SUB EXPRESS	13:30:00	2023-04-25	NULL
T004	CHENNAI EXPRESS	14:00:00	2023-04-25	NULL
T005	ADI EXPRESS	18:30:00	2023-04-25	NULL

5 rows in set (0.00 sec)