

PRACTICAL NO. 2A AND 2B

Enter password: ****

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 17

Server version: 8.0.34 MySQL Community Server - GPL

Copyright (c) 2000, 2023, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;

```
+-----+
| Database          |
+-----+
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+-----+
```

4 rows in set (0.00 sec)

mysql> create database practical1;
Query OK, 1 row affected (0.01 sec)

mysql> use practical1;
Database changed

mysql> create table students(rollno int(3) primary key auto_increment, name varchar(20), age int(3));
Query OK, 0 rows affected, 2 warnings (0.02 sec)

mysql> desc students;

```
+-----+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra          |
+-----+-----+-----+-----+-----+-----+
| rollno | int       | NO   | PRI | NULL    | auto_increment |
| name   | varchar(20) | YES  |     | NULL    |                |
| age    | int       | YES  |     | NULL    |                |
+-----+-----+-----+-----+-----+-----+
```

3 rows in set (0.00 sec)

mysql> alter table students add address varchar(30);
Query OK, 0 rows affected (0.01 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc students;

Field	Type	Null	Key	Default	Extra
rollno	int	NO	PRI	NULL	auto_increment
name	varchar(20)	YES		NULL	
age	int	YES		NULL	
address	varchar(30)	YES		NULL	

4 rows in set (0.00 sec)

mysql> alter table students modify age int(5); Query

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

Records: 0 Duplicates: 0 Warnings: 1

mysql> alter table students drop column age;

Query OK, 0 rows affected (0.01 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc students;

Field	Type	Null	Key	Default	Extra
rollno	int	NO	PRI	NULL	auto_increment
name	varchar(20)	YES		NULL	
address	varchar(30)	YES		NULL	

3 rows in set (0.00 sec)

mysql> insert into students(rollno,name,address) values(1,'Yash','Pune');

Query OK, 1 row affected (0.01 sec)

mysql> insert into students(rollno,name,address) values(2,'Samarth','Pimpri');

Query OK, 1 row affected (0.00 sec)

mysql> insert into students(rollno,name,address) values(3,'Prasad','Chinchwad');

Query OK, 1 row affected (0.00 sec)

mysql> select * from students;

rollno	name	address
1	Yash	Pune
2	Samarth	Pimpri

```
| 3 | Prasad | Chinchwad |  
+-----+-----+-----+  
3 rows in set (0.00 sec)
```

```
mysql> update students set name='Mayuresh' where rollno=1;  
Query OK, 1 row affected (0.01 sec)  
Rows matched: 1 Changed: 1 Warnings: 0
```

```
mysql> update students set name='Yash' where rollno=1;  
Query OK, 1 row affected (0.00 sec)  
Rows matched: 1 Changed: 1 Warnings: 0
```

```
mysql> select * from students; +-----+-----+-----+  
| rollno | name | address |  
+-----+-----+-----+  
| 1 | Yash | Pune |  
| 2 | Samarth | Pimpri |  
| 3 | Prasad | Chinchwad |  
+-----+-----+-----+  
3 rows in set (0.00 sec)
```

```
mysql> delete from students where rollno=2;  
Query OK, 1 row affected (0.00 sec)
```

```
mysql> select * from students; +-----+-----+-----+  
| rollno | name | address |  
+-----+-----+-----+  
| 1 | Yash | Pune |  
| 3 | Prasad | Chinchwad |  
+-----+-----+-----+  
2 rows in set (0.00 sec)
```

```
mysql> insert into students(rollno,name,address) values(2,'Siddhu','Akurdi');  
Query OK, 1 row affected (0.00 sec)
```

```
mysql> create view studview as select name, address from students where rollno < 3;  
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> select * from studview;  
+-----+-----+  
| name | address |  
+-----+-----+  
| Yash | Pune |  
| Siddhu | Akurdi |  
+-----+-----+
```

2 rows in set (0.00 sec)

mysql> drop view studview; Query
OK, 0 rows affected (0.01 sec)

mysql> create index studindex on students(name);
Query OK, 0 rows affected (0.05 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> show index from students;

Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	Packed	Null	Index_type	Comment	Index_comment	Visible	Expression
students	0	PRIMARY	1	rollno	A	2			NULL	BTREE			YES	NULL
students	1	studindex	1	name	A	3			NULL	BTREE			YES	NULL

2 rows in set (0.01 sec)

mysql> alter table students drop index studindex;
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> truncate table students; Query
OK, 0 rows affected (0.03 sec)

mysql> select * from students;
Empty set (0.00 sec)

mysql> drop table students;
Query OK, 0 rows affected (0.01 sec)

mysql> desc students;
ERROR 1146 (42S02): Table 'practical1.students' doesn't exist mysql>