

INDEX

[illegible]

```

mysql> create database DCE;
Query OK, 1 row affected (0.00 sec)

mysql> use DCE;
Database changed
mysql> create table student(Roll_no int,Name varchar(20),Age int);
Query OK, 0 rows affected (0.01 sec)

mysql> show tables;
+-----+
| Tables_in_dce |
+-----+
| student       |
+-----+
1 row in set (0.01 sec)

mysql> describe student;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Roll_no | int          | YES  |     | NULL    |       |
| Name    | varchar(20)  | YES  |     | NULL    |       |
| Age     | int          | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> select name from student;
+-----+
| name |
+-----+
| A     |
| B     |
| C     |
+-----+
3 rows in set (0.00 sec)

mysql> select distinct age from student;
+-----+
| age |
+-----+
| 20  |
| NULL |
+-----+
2 rows in set (0.00 sec)

mysql> insert into student values(1,'A',20);
Query OK, 1 row affected (0.01 sec)

mysql> insert into student (Name,Roll_no) values('B',2),('C',3);
Query OK, 2 rows affected (0.00 sec)
Records: 2  Duplicates: 0  Warnings: 0

mysql> select * from student;
+-----+-----+-----+
| Roll_no | Name | Age |
+-----+-----+-----+
| 1       | A    | 20  |
| 2       | B    | NULL |
| 3       | C    | NULL |
+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> select Roll_no from student where Name='A';
+-----+
| Roll_no |
+-----+
| 1       |
+-----+
1 row in set (0.00 sec)

```

```
mysql> select * from student;
+-----+-----+-----+
| Roll_no | Name | Age |
+-----+-----+-----+
| 1 | A | 20 |
| 2 | B | NULL |
| 3 | C | NULL |
+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> delete from student where Roll_no>5;
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> select * from student;
+-----+-----+-----+
| Roll_no | Name | Age |
+-----+-----+-----+
| 1 | A | 20 |
| 2 | B | NULL |
| 3 | C | NULL |
+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> update student set name='Aman' where Roll_no=2;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

```
mysql> select * from student;
+-----+-----+-----+
| Roll_no | Name | Age |
+-----+-----+-----+
| 1 | A | 20 |
| 2 | Aman | NULL |
| 3 | C | NULL |
+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> alter table student add Marks int default 50;
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> select * from student;
+-----+-----+-----+-----+
| Roll_no | Name | Age | Marks |
+-----+-----+-----+-----+
| 1 | A | 20 | 50 |
| 2 | Aman | NULL | 50 |
| 3 | C | NULL | 50 |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> alter table student drop Marks;
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> select * from student;
+-----+-----+-----+
| Roll_no | Name | Age |
+-----+-----+-----+
| 1 | A | 20 |
| 2 | Aman | NULL |
| 3 | C | NULL |
+-----+-----+-----+
3 rows in set (0.00 sec)
```

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

```
mysql> drop database DCE;
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> create table Emp(ID int,Name varchar(20),Salary int, Primary
;
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> describe Emp;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| ID    | int  | NO   | PRI | NULL    |       |
| Name  | varchar(20) | YES |     | NULL    |       |
| Salary | int  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> alter table emp drop primary key;
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> describe Emp;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| ID    | int  | NO   |     | NULL    |       |
| Name  | varchar(20) | YES |     | NULL    |       |
| Salary | int  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> create table Dept(Dept_ID int,Emp_ID int,Primary key(Dept_ID),Foreign
key(Emp_ID) references Emp(ID));
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> describe dept;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Dept_ID | int | NO | PRI | NULL | |
| Emp_ID | int | YES | MUL | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

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

```
mysql> select COUNT(*) from emp;
+-----+
| COUNT(*) |
+-----+
| 0 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> select min(Salary) from emp;
+-----+
| min(Salary) |
+-----+
| NULL |
+-----+
1 row in set (0.00 sec)
```

```
mysql> select max(Salary) from emp;
+-----+
| max(Salary) |
+-----+
| NULL |
+-----+
1 row in set (0.00 sec)
```

```
mysql> select sum(Salary) from emp;
+-----+
| sum(Salary) |
+-----+
| NULL |
+-----+
1 row in set (0.00 sec)
```

```
mysql> select avg(Salary) from emp;
+-----+
| avg(Salary) |
+-----+
| NULL |
+-----+
```

```
mysql> select * from emp;  
Empty set (0.00 sec)  
  
mysql> create view sal as  
-> select ID,Salary  
-> from emp;  
Query OK, 0 rows affected (0.01 sec)  
  
mysql> select * from sal;  
Empty set (0.00 sec)
```