#### 1. MYSQL BASIC

- 2. CRUD
  - 2.1.<u>CREATE</u>
  - 2.2.<u>READ</u>
  - **2.3. UPDATE**
  - **2.4. DELETE**
- 3. **DISTINCT**
- 4. ORDER BY
- 5. <u>LIMIT</u>
- 6. <u>LIKE</u>
- 7. BASIC FUNCTION
- 8. LOGICAL OPERATOR
- 9. LESS & GREATER THAN
- **10.STRING FUNCTION**
- 11. REVERSE FUNCTION
- 12. CHAR LENGTH
- 13. DATE TIME DATA TYPES
- 14. FOREIGN KEY
- 15.SQL JOIN
  - 15.1. <u>INNER JOIN</u>
  - 15.2. <u>LEFT JOIN</u>
  - 15.3. RIGHT JOIN

# -----: MYSQL BASIC: -----

# mysql> show databases;

# mysql> drop database anant;

Query OK, 0 rows affected (0.02 sec)

# mysql> create database anantdb;

Query OK, 1 row affected (0.01 sec)

# mysql> show databases;

# mysql> use anantdb;

Database changed

```
mysql> create table details(id integer primary
key,first_name varchar(20),name varchar(20),last_name
varchar(20), proffession varchar(30), mobile no
integer(10),salary integer(10));
Query OK, 0 rows affected, 2 warnings (0.02 sec)
mysql> insert into details
values(1,'soni','anant','rajeshkumar','web-
developer',989658659,65000);
Query OK, 1 row affected (0.01 sec)
mysql> insert into details
values(2,'rana','ashutosh','rameshkumar','app-
developer',989658589,55000);
Query OK, 1 row affected (0.01 sec)
mysql> insert into details
values(3,'patel','dhruv','sureshkumar','web-
designer',989655589,45000);
Query OK, 1 row affected (0.01 sec)
mysql> insert into details
values(4,'prajapati','kenil','dineshkumar','app-
designer',989589589,58000);
Query OK, 1 row affected (0.01 sec)
mysql> insert into details
values(5,'patel','kanu','ramalal','software-
engineer',989578589,98000);
Query OK, 1 row affected (0.01 sec)
```

# mysql> show tables;

```
+----+
| Tables_in_anantdb |
+----+
| details |
+----+
1 row in set (0.00 sec)
```

# mysql> desc details;

+   Field +	+   Туре	   Null	+   Key	Default	Extra
id   first_name   name   last_name   proffession   mobile_no   salary	int varchar(20) varchar(20) varchar(20) varchar(30) int int	NO   YES   YES   YES   YES   YES   YES	PRI       	NULL NULL NULL NULL NULL NULL	
t7 rows in set		+	+	h	++

# mysql> select\*from details;

2	++   id	first_name	name	+   last_name	+   proffession	+   mobile_no 	salary
5   patel		rana patel prajapati	ashutosh dhruv kenil	rameshkumar sureshkumar dineshkumar	app-developer   web-designer   app-designer	989658589 989655589 989589589	65000   55000   45000   58000   98000

# mysql> alter table details add roll\_no int(10);

Query OK, 0 rows affected, 1 warning (0.03 sec)

Records: 0 Duplicates: 0 Warnings: 1

# mysql> select\*from details;

id   first_name		last_name	proffession	mobile_no	salary	roll_no
1   soni   2   rana   3   patel   4   prajapati     5   patel	anant ashutosh dhruv kenil kanu	rajeshkumar rameshkumar sureshkumar	web-developer app-developer web-designer app-designer software-engineer	989658659 989658589 989655589 989589589 989578589	65000 55000 45000 58000 98000	NULL   NULL   NULL   NULL   NULL

# mysql> alter table details drop column roll\_no;

Query OK, 0 rows affected (0.17 sec)

Records: 0 Duplicates: 0 Warnings: 0

# mysql> select\*from details;

++   id	first_name	name	+   last_name '	t   proffession	+   mobile_no	++   salary
1     2     3     4	soni rana patel prajapati patel	anant ashutosh dhruv kenil kanu	rajeshkumar   rameshkumar   sureshkumar   dineshkumar   ramalal	web-developer app-developer web-designer app-designer software-engineer	989658659   989658589   989655589   989589589   989578589	65000   55000   45000   58000
++ 5 rows	in set (0.00	+ ð sec)	+			++

# mysql> drop database anantdb;

Query OK, 1 row affected (0.02 sec)

# mysql> show databases;

#### mysql> create database student\_details;

Query OK, 1 row affected (0.01 sec)

mysql> show databases;

mysql> use student\_details;

Database changed

```
-----: CRUD: CREATE, READ, UPDATE, DELETE: ------

mysql> create table students(ID int not null auto_increment,FNAME
varchar(55),LNAME varchar(55),AGE int,primary key(ID));
mysql> insert into students(FNAME,LNAME,AGE)values('vinod','thapa',25);
Query OK, 1 row affected (0.01 sec)
mysql> insert into students(FNAME,LNAME
students(FNAME,LNAME,AGE)values('vinod','thapa',25);
Query OK, 1 row affected (0.01 sec)
mysql> insert into students(FNAME,LNAME,AGE)values('vinod','bahadur',25);
Query OK, 1 row affected (0.01 sec)
mysql> insert into students(FNAME,LNAME,AGE)values('naran','kc',28);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into
students(FNAME,LNAME,AGE)values('thapa','technical',24);
Query OK, 1 row affected (0.01 sec)
mysql> insert into students(FNAME,LNAME,AGE)values('arjun','kc',26);
Query OK, 1 row affected (0.01 sec)
mysql> insert into students(FNAME,LNAME,AGE)values('binta','thapa',21);
Query OK, 1 row affected (0.01 sec)
mysgl> insert into students(FNAME,LNAME,AGE)values('ramesh','thapa',22);
Query OK, 1 row affected (0.01 sec)
mysql> insert into students(FNAME,LNAME,AGE)values('amrit','thapa',23);
Query OK, 1 row affected (0.01 sec)
mysql> insert into students(FNAME,LNAME,AGE)values('ram','chettri',23);
Query OK, 1 row affected (0.01 sec)
mysql> insert into students(FNAME,LNAME,AGE)values('kanxi','thapa',25);
Query OK, 1 row affected (0.01 sec)
mysql> show tables;
  Tables in student details
  students
```

## mysql> desc students;

row in set (0.00 sec)

```
Default
Field
                      Null
                              Key
                                               Extra
       Type
                              PRI
                                    NULL
                                               auto increment
ID
                      NO
FNAME
        varchar(55)
                      YES
                                    NULL
LNAME
        varchar(55)
                                    NULL
                      YES
AGE
        int
                      YES
                                    NULL
rows in set (0.00 sec)
```

### mysql> select\*from students;

+   ID	+   FNAME	+   LNAME	AGE
   1	vinod	thapa	25
2	vinod	bahadur	25
3	naran	kc	28
4	thapa	technical	24
5	arjun	kc	26
6	binta	thapa	21
7	ramesh	thapa	22
8	amrit	thapa	23
9	ram	chettri	23
10	kanxi	thapa	25
+ L0 rov			

-----: READ : -----

### mysql> select\*from students where age=25;

ID	FNAME	+   LNAME +	AGE
1   2   10	vinod   vinod   kanxi	thapa bahadur	25     25     25
		(0.00 sec	

# mysql> select FNAME from students where age=25;

```
+----+

| FNAME |

+----+

| vinod |

| vinod |

| kanxi |

+----+

3 rows in set (0.00 sec)
```

# mysql> select FNAME,LNAME from students where age=25;

```
+----+
| FNAME | LNAME |
+----+
| vinod | thapa |
| vinod | bahadur |
| kanxi | thapa |
+----+
3 rows in set (0.00 sec)
```

#### -----: **UPDATE** : -----

### mysql> update students set AGE=23 where FNAME='ramesh';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

### mysql> select\*from students;

+   ID +	FNAME	+   LNAME +	AGE	
1	vinod	thapa	25	
2	vinod	bahadur	25	
3	naran	kc	28	
4	thapa	technical	24	
5	arjun	kc	26	
6	binta	thapa	21	
7	ramesh	thapa	23	
8	amrit	thapa	23	
9	ram	chettri	23	
10	kanxi	thapa	25	
+ 10 rov	l0 rows in set (0.00 sec)			

### mysql> update students set AGE=55 where ID=10;

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

### mysql> select\*from students;

+	FNAME	+   LNAME +	++   AGE	
1	vinod	+   thapa	25	
2	vinod	bahadur	25	
3	naran	kc	28	
4	thapa	technical	24	
5	arjun	kc	26	
6	binta	thapa	21	
7	ramesh	thapa	23	
8	amrit	thapa	23	
9	ram	chettri	23	
10	kanxi	thapa	55	
+				
10 rov	ws in set	(0.00 sec)		

#### -----: DELETE : -----

### mysql> delete from students where FNAME='naran';

Query OK, 1 row affected (0.01 sec)

# mysql> select\*from students;

ID	FNAME	+   LNAME +	++   AGE
1 1	vinod	thapa	25
2	vinod	bahadur	25
4	thapa	technical	24
5	arjun	kc	26
6	binta	thapa	21
7	ramesh	thapa	23
8	amrit	thapa	23
9	ram	chettri	23
10	kanxi	thapa	55
+	+	+	++
9 rows	s in set	(0.00 sec)	

# mysql> delete from students where ID='7';

Query OK, 1 row affected (0.01 sec)

### mysql> select\*from students;

ID		LNAME	AGE
1	vinod	thapa	25
2	vinod	bahadur	25
4	thapa	technical	24
5	arjun	kc	26
6	binta	thapa	21
8	amrit	thapa	23
9	ram	chettri	23
10	kanxi	thapa	55
rows		(0.00 sec)	++

### mysql> insert into students values(7,'ramesh','thapa',23);

Query OK, 1 row affected (0.01 sec)

# mysql> select\*from students;

+   ID	FNAME	+   LNAME +	++   AGE	
1	vinod	thapa	25	
2	vinod	bahadur	25	
4	thapa	technical	24	
5	arjun	kc	26	
6	binta	thapa	21	
7	ramesh	thapa	23	
8	amrit	thapa	23	
9	ram	chettri	23	
10	kanxi	thapa	55	
+ 9 rows	+++ 9 rows in set (0.00 sec)			

-----: DISTINCT : -----

### mysql> select FNAME from students;

```
+----+
| FNAME |
+----+
| vinod |
| vinod |
| thapa |
| arjun |
| binta |
| ramesh |
| amrit |
| ram |
| kanxi |
+----+
9 rows in set (0.00 sec)
```

### mysql> select distinct FNAME from students;

```
+-----+
| FNAME |
+-----+
| vinod |
| thapa |
| arjun |
| binta |
| ramesh |
| amrit |
| ram |
| kanxi |
+-----+
8 rows in set (0.00 sec)
```

### mysql> select FNAME,AGE from students;

+   FNAME	+ <del>+</del>   AGE
vinod	25
vinod	25
thapa	24
arjun	26
binta	21
ramesh	23
amrit	23
ram	23
kanxi	55
+	++
9 rows in	set (0.00 sec)

### mysql> select distinct AGE from students;

```
+----+

| AGE |

+----+

| 25 |

| 24 |

| 26 |

| 21 |

| 23 |

| 55 |

+----+

6 rows in set (0.00 sec)
```

### mysql> select distinct FNAME,AGE from students;

```
FNAME
        AGE
 vinod
            25
 thapa
            24
 arjun
            26
 binta
            21
 ramesh
            23
 amrit
            23
 ram
            23
            55
 kanxi
8 rows in set (0.00 sec)
```

-----: ORDER BY:-----

# mysql> select age from students order by age;

```
+----+
| age |
+----+
| 21 |
| 23 |
| 23 |
| 23 |
| 24 |
| 25 |
| 25 |
| 26 |
| 55 |
+----+
9 rows in set (0.00 sec)
```

### mysql> select FNAME from students order by age;

```
+----+
| FNAME |
+----+
| binta |
| ramesh |
| amrit |
| ram |
| thapa |
| vinod |
| vinod |
| arjun |
| kanxi |
+----+
9 rows in set (0.00 sec)
```

# mysql> select FNAME,LNAME,AGE from students order by AGE;

FNAME	+   LNAME +	++   AGE
binta	thapa	21
ramesh	thapa	23
amrit	thapa	23
ram	chettri	23
thapa	technical	24
vinod	thapa	25
vinod	bahadur	25
arjun	kc	26
kanxi	thapa	55

#### -----: LIMIT : -----

#### mysql> select FNAME,LNAME,AGE from students order by AGE limit 5;

FNAME	+   LNAME +	AGE		
binta	thapa	21		
ramesh	thapa	23		
amrit	thapa	23		
ram	chettri	23		
thapa	technical	24		
++				
5 rows in	5 rows in set (0.00 sec)			

-----: LIKE:-----

### mysql> select FNAME from students where FNAME like'%in%';

```
+----+
| FNAME |
+----+
| vinod |
| vinod |
| binta |
+----+
3 rows in set (0.00 sec)
```

### mysql> select LNAME from students where FNAME like '%ha%';

### mysql> select LNAME from students where LNAME like '%ha%';

```
+----+
| LNAME |
+----+
| thapa |
| bahadur |
| thapa |
| thapa |
| thapa |
| thapa |
+-----+
6 rows in set (0.00 sec)
```

#### -----: **BASIC FUNCTION**: ------

### mysql> select max(age) from students;

```
+-----+
| max(age) |
+------+
| 55 |
+-----+
1 row in set (0.00 sec)
```

### mysql> select min(age) from students;

```
+-----+
| min(age) |
+------+
| 21 |
+-----+
1 row in set (0.00 sec)
```

### mysql> select sum(age) from students;

```
+-----+
| sum(age) |
+-----+
| 245 |
+-----+
1 row in set (0.00 sec)
```

### mysql> select count(id) from students;

```
+-----+
| count(id) |
+-----+
| 9 |
+-----+
1 row in set (0.00 sec)
```

### mysql> select avg(age) from students;

```
+-----+
| avg(age) |
+-----+
| 27.2222 |
+-----+
1 row in set (0.00 sec)
```

#### -----: LOGICAL OPERATOR : -----

# mysql> select \* from students where AGE=25;

ID	FNAME	+   LNAME +	AGE
1 2	vinod vinod	thapa   bahadur	25   25
		(0.00 sec)	

# mysql> select \* from students where AGE!=25;

+		+	++   AGE
4	thapa	technical	24
5	arjun	kc	26
6	binta	thapa	21
7	ramesh	thapa	23
8	amrit	thapa	23
9	ram	chettri	23
10	kanxi	thapa	55
++ 7 rows	in set	+ (0.00 sec)	++

# mysql> select \* from students where LNAME='thapa';

ID	+   FNAME +	LNAME	AGE
1	vinod	thapa	25
6	binta	thapa	21
7	ramesh	thapa	23
8	amrit	thapa	23
10	kanxi	thapa	55
+	+	+	++
5 rows	5 rows in set (0.00 sec)		

# mysql> select \* from students where LNAME!='thapa';

	FNAME	+   LNAME +	AGE
2   4   5   9	vinod   thapa   arjun   ram	bahadur   technical	25   24   26   23
	•	(0.00 sec)	TT

#### -----: LESS & GREATER THAN: -----

# mysql> select\*from students where age>25;

ID	FNAME	LNAME		
5   10	arjun kanxi	kc thapa	26   55	
	++ 2 rows in set (0.00 sec)			

# mysql> select\*from students where age>=25;

ID	FNAME	+   LNAME +	AGE	
1   2   5   10	vinod   vinod   arjun   kanxi	thapa   bahadur   kc   thapa	25   25   26   55	
	++++ 1 rows in set (0.00 sec)			

# mysql> select\*from students where age<25;

ID	FNAME	+   LNAME +	AGE		
4   6	thapa binta	technical   thapa	24   21		
7		thapa	23		
8   9	amrit ram	thapa   chettri	23     23		
-	++				
5 rows	5 rows in set (0.00 sec)				

# mysql> select\*from students where age<=25;

ID	FNAME	+   LNAME +	AGE	
1 1	vinod	thapa	25	
2	vinod	bahadur	25	
4	thapa	technical	24	
6	binta	thapa	21	
7	ramesh	thapa	23	
8	amrit	thapa	23	
9	ram	chettri	23	
	rows in set (0.00 sec)			

### mysql> select\*from students where age=25;

ID	FNAME	   LNAME 	AGE	
1 2	vinod vinod	thapa bahadur	25   25	
	+++ 2 rows in set (0.00 sec)			

### mysql> select\*from students where age not between 22 and 50;

ID	FNAME	LNAME	AGE	
6   10	binta kanxi	thapa thapa	21   55	
	++++ 2 rows in set (0.00 sec)			

## mysql> select\*from students where age between 21 and 24;

ID	FNAME	+   LNAME +	AGE
4     6     7     8     9	thapa binta ramesh amrit ram	technical thapa thapa thapa thapa chettri	24   21   23   23   23
		+ (0.00 sec)	++

# mysql> select\*from students where FNAME in('vinod','binita');

```
+---+----+----+

| ID | FNAME | LNAME | AGE |

+---+----+

| 1 | vinod | thapa | 25 |

| 2 | vinod | bahadur | 25 |

+---+-----+

2 rows in set (0.00 sec)
```

# mysql> select\*from students where FNAME='vinod' or 'binita';

```
+---+----+
| ID | FNAME | LNAME | AGE |
+---+----+
| 1 | vinod | thapa | 25 |
| 2 | vinod | bahadur | 25 |
+---+----+
2 rows in set, 1 warning (0.00 sec)
```

#### -----: STRING FUNCTION: ------

### mysql> select concat('vinod','thapa');

#### mysql> select concat('anant','soni');

### mysql> select concat('vinod','','thapa');

# mysql> select concat('anant',' ','soni');

# mysql> select concat(FNAME,LNAME,' ',AGE) from students;

```
concat(FNAME,LNAME,' ',AGE) |

vinodthapa 25 |

vinodbahadur 25 |

thapatechnical 24 |

arjunkc 26 |

bintathapa 21 |

rameshthapa 23 |

amritthapa 23 |

ramchettri 23 |

kanxithapa 55 |

rows in set (0.00 sec)
```

#### ----: REVERSE FUNCTION: -----

# mysql> select reverse('thapa');

```
+-----+
| reverse('thapa') |
+-----+
| apaht |
+----+
1 row in set (0.00 sec)
```

### mysql> select reverse('thapa') as reverse;

```
+----+
| reverse |
+-----+
| apaht |
+-----+
1 row in set (0.00 sec)
```

### mysql> select concat ('thapa',reverse('thapa')) as palindrome;

```
+-----+
| palindrome |
+-----+
| thapaapaht |
+-----+
1 row in set (0.00 sec)
```

# mysql> select concat ('thapa',' ',reverse('thapa')) as palindrome;

```
-----: CHAR_LENGTH: -----
```

#### mysql> select char\_length('sonianantrajeshkumar');

### mysql> select char\_length('soni anant rajeshkumar');

#### -----: DATE TIME DATA TYPES: ------

mysql> create table datestudents(NAME varchar(55),DOB date,DOT time,BD datetime);

Query OK, 0 rows affected (0.03 sec)

mysql> insert into datestudents values('vinod','1994-01-05','05:25:45','1994-01-05 05:25:45');

Query OK, 1 row affected (0.01 sec)

mysql> insert into datestudents values('anant','2004-07-10','01:07:17','2004-07-10 01:07:17');

Query OK, 1 row affected (0.01 sec)

#### mysql> select\*from datestudents;

mysql> insert into datestudents values('vinod',curdate(),curtime(),now());

Query OK, 1 row affected (0.01 sec)

#### mysql> select\*from datestudents;

+	DOB	+	++				
NAME		DOT	BD				
vinod	1994-01-05	05:25:45	1994-01-05 05:25:45				
anant	2004-07-10	01:07:17	2004-07-10 01:07:17				
vinod	2023-04-27	10:21:03	2023-04-27 10:21:03				
++ 3 rows ir	++						

mysql> insert into datestudents values('dhruv',curdate(),curtime(),now());

Query OK, 1 row affected (0.01 sec)

### mysql> select\*from datestudents;

NAME	DOB	DOT	BD
vinod	1994-01-05	05:25:45	1994-01-05 05:25:45
anant	2004-07-10	01:07:17	2004-07-10 01:07:17
vinod	2023-04-27	10:21:03	2023-04-27 10:21:03
dhruv	2023-04-27	10:21:15	2023-04-27 10:21:15

#### -----: FOREIGN KEY: ------

mysql> create table customers(CID int not null auto\_increment primary key,CNAME varchar(55),EMAIL varchar(100));

Query OK, 0 rows affected (0.03 sec)

mysql> create table orders(OID int not null auto\_increment primary key,ODATE date,CID int,foreign key(CID) references customers(CID));

Query OK, 0 rows affected (0.04 sec)

mysql> desc customers;

```
Field |
       Type
                       Null | Key
                                     Default
                                                Extra
                               PRI
                                     NULL
                                                auto increment
CID
        int
CNAME
        varchar(55)
                        YES
                                     NULL
EMAIL
        varchar(100)
                        YES
                                     NULL
rows in set (0.00 sec)
```

#### mysql> desc orders;

```
Null
                       Key
                             Default
        Type
                                        Extra
OID
        int
               NO
                       PRI
                             NULL
                                        auto increment
                YES
ODATE
        date
                             NULL
CID
        int
               YES
                       MUL
                             NULL
rows in set (0.00 sec)
```

mysql> insert into customers values(1,'anant','anant204@gmail.com');

Query OK, 1 row affected (0.01 sec)

mysql> insert into customers values(2,'dhruv','dhruv565@gmail.com');

Query OK, 1 row affected (0.01 sec)

mysql> insert into customers values(3,'kenil','kenil585@gmail.com');

Query OK, 1 row affected (0.01 sec)

#### mysql> select\*from customers;

mysql> insert into orders values(1,'2019/05/05',1);

Query OK, 1 row affected (0.01 sec)

mysql> insert into orders values(2,'2020/08/04',2);

Query OK, 1 row affected (0.00 sec)

mysql> insert into orders values(3,'2021/04/08',3);

Query OK, 1 row affected (0.00 sec)

### mysql> alter table orders add amount int;

Query OK, 0 rows affected (0.03 sec)

Records: 0 Duplicates: 0 Warnings: 0

#### mysql> select\*from orders;

OID	ODATE	CID	amount				
1 2 3	2019-05-05 2020-08-04 2021-04-08	1 2 3	NULL   NULL   NULL				
	+++ 3 rows in set (0.00 sec)						

#### mysql> update orders set amount=250 where OID=1;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

### mysql> update orders set amount=350 where OID=2;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

#### mysql> update orders set amount=450 where OID=3;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

#### mysql> select\*from orders;

OID	ODATE	CID	amount
1 2	2019-05-05 2020-08-04 2021-04-08	1 2 3	250
	in set (0.00	•	++

-----: SQL JOIN : -----

-----: INNER JOIN: -----

mysql> select\*from customers,orders where customers.CID=orders.CID order by ODATE;

+   CID	CNAME	EMAIL	+   OID	ODATE	CID	amount
2	dhruv	anant204@gmail.com dhruv565@gmail.com kenil585@gmail.com	2	2020-08-04	2	350
+ 3 rows	in set (	(0.00 sec)	+	+	+	++

mysql> select CNAME,EMAIL,ODATE from customers inner join orders on customers.CID=orders.OID;

```
+----+
| CNAME | EMAIL | ODATE |
+----+
| anant | anant204@gmail.com | 2019-05-05 |
| dhruv | dhruv565@gmail.com | 2020-08-04 |
| kenil | kenil585@gmail.com | 2021-04-08 |
+----+
3 rows in set (0.00 sec)
```

mysql> select CNAME,EMAIL,ODATE,amount from customers inner join orders on customers.CID=orders.OID;

+   CNAME	+   EMAIL 	+   ODATE	++   amount
anant   dhruv   kenil	anant204@gmail.com dhruv565@gmail.com kenil585@gmail.com	2019-05-05 2020-08-04 2021-04-08	250     350     450
3 rows in	n set (0.00 sec)	<del></del>	<del></del>

-----: Column 'CID' in fields list is ambigues: ------

mysql> select CNAME,ODATE,amount,CID from customers join orders on customers.CID=orders.CID;

ERROR 1052 (23000): Column 'CID' in field list is ambiguous

ERROR : - { BEACUSE 2 FIELDS LIST 'CID' IN TABLE }

mysql> select CNAME,ODATE,amount,CID from customers join orders on customers.CID=orders.CID; ERROR 1052 (23000): Column 'CID' in field list is ambiguous

mysql> select CNAME,ODATE,amount,customers.CID from customers join orders on customers.CID=orders.CID;

CNAME	ODATE	amount	CID
anant	2019-05-05 2020-08-04 2021-04-08	250 350 450	1   2   3
+ 3 rows ir	set (0.00 s	+ ec)	++

-----: LEFT JOIN : -----

mysql> insert into customers values(5,'het','het209@gmail.com');

Query OK, 1 row affected (0.01 sec)

mysql> select\*from customers;

### mysql> select\*from customers left join orders on customers.CID=orders.CID;

+   CID	CNAME	+   EMAIL	+   OID	H   ODATE	+	amount
2 3	dhruv kenil	anant204@gmail.com   dhruv565@gmail.com   keni1585@gmail.com   het209@gmail.com	2   3		2	
+ 4 rows	in set	+ (0.00 sec)	+	+	+	++

#### -----: RIGHT JOIN: -----

# mysql> select\*from customers right join orders on customers.CID=orders.CID;

+	CNAME	EMAIL	OID	ODATE	CID	amount
2	dhruv	anant204@gmail.com dhruv565@gmail.com kenil585@gmail.com	2		2	350
13 3 rows i	in set (0	0.00 sec)	+	+	+	+