```
25
     ### Third Section ###
```

Date : 25/09/21

INSTALLATIONS OF MYSQL

Second Section

DATE :26/09/21

DATABASES

DATABASES:- collectin of multi-tables data. TABLE: - combination of rows & colomns data.

```
mysql> show databases;
Database
cscorner
| information_schema
| mysql
| performance_schema
| sql_airport
| sql_bus
| sql_guitar
| sql info
| sql_lotus
| sql pride
| sql robotics
| sql_school
| sql weekend
| sql wzlord
sys
15 rows in set (0.00 sec)
```

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

mysql> show databases;

```
Database
 cscorner
| information schema
| mysql
performance schema
| sql airport
| sql bus
| sql guitar
| sql info
| sql lotus
| sql mzster
| sql pride
sql_robotics
| sql school
| sql weekend
sql_wzlord
sys
+----+
16 rows in set (0.01 sec)
mysql> use sql mzster;
Database changed
mysql> show tables;
Empty set (0.00 sec)
mysql> create table sql_mzster_9AM(serial_no int(10), name varchar(255),
model year int(10), color varchar(255));
Query OK, 0 rows affected, 2 warnings (0.06 sec)
mysql> show tables;
| Tables in sql mzster |
+-----+
| sql mzster 9am
+----+
1 row in set (0.00 sec)
mysql> desc sql_mzster_9AM;
                 | Null | Key | Default | Extra |
           | Type
+----+
| serial no | int
                   | YES |
```

```
name | varchar(255) | YES
                                   NULL
| model year | int
                        l YES
                                   NULL
color | varchar(255) | YES
                                   NULL
4 rows in set (0.01 sec)
mysql> insert into sql mzster 9AM values(1, BMW, 2019, White);
ERROR 1054 (42S22): Unknown column 'BMW' in 'field list'
mysql> insert into sql mzster 9AM values(1, 'BMW', 2019, 'White');
Query OK, 1 row affected (0.01 sec)
mysql> insert into sql mzster 9AM values(2, 'R-15', 2020, 'Blue');
Query OK, 1 row affected (0.01 sec)
mysql> insert into sql_mzster_9AM values(3, 'F_z', 2021, 'Matgrey');
Query OK, 1 row affected (0.01 sec)
mysql> insert into sql_mzster_9AM values(4, 'NInja', 2018, 'Yellow');
Query OK, 1 row affected (0.01 sec)
mysql> select * from sql_mzster_9AM;
+----+
| serial no | name | model year | color
        1 | BMW
                      2019 | White
        2 | R-15
                       2020 | Blue
       3 | F z |
                      2021 | Matgrey |
        4 | NInja |
                      2018 | Yellow |
+----+
4 rows in set (0.00 sec)
mysql>
      SPECIFIED DATA SELECTION
                                                       on
                                                              R
0 W S
DATE: 02/10/2021
show databases:
+----+
l Database
+-----+
```

```
cscorner
 information schema
mysql
performance_schema
| sql airport
| sql batch
sql bus
sql delhi
 sql_guitar
sql info
sql lazwer
 sql lotus
sql mi
sql_mzster
sql_nr
sql nwler
sql paltan
sql_path
| sql pen
| sql pride
| sql_robotics
| sql_runway
| sql school
| sql weekend
sql_wzlord
sys
26 rows in set (0.00 sec)
mysql> create database python batch;
Query OK, 1 row affected (0.01 sec)
mysql> show databases;
Database
+----+
cscorner
information schema
mysql
performance_schema
python batch
| sql airport
sql_batch
| sql bus
| sql delhi
| sql_guitar
```

```
sql info
sql lazwer
| sql lotus
| sql mi
| sql mzster
| sql nr
| sql nwler
| sql paltan
| sql path
| sql pen
| sql pride
| sql robotics
| sql runway
| sql school
sql_weekend
| sql wzlord
sys
27 rows in set (0.01 sec)
mysql> use python_batch;
Database changed
mysql> show tables;
Empty set (0.00 sec)
mysql> create table python batch(s n int(10), name varchar(255), address
varchar(255), DOA varchar(255), number int(10));
Query OK, 0 rows affected, 2 warnings (0.05 sec)
mysql> show tables;
| Tables_in_python_batch |
+----+
| python batch
+----+
1 row in set (0.00 sec)
mysql> desc pyhton batch;
ERROR 1146 (42S02): Table 'python_batch.pyhton_batch' doesn't exist
mysql> desc python batch;
+----+
| Field | Type
                      | Null | Key | Default | Extra |
                       YES
l s n
         | int
                                  NULL
         | varchar(255) | YES
                                  NULL
name
address | varchar(255) | YES |
                                  NULL
```

```
NULL
 DOA
         | varchar(255) | YES
                        | YES
                                     NULL
lnumber
5 rows in set (0.01 sec)
mysql> insert into python batch values(1, 'Priyanka', 'Kondhwa',
'2021-05-20', 456);
Query OK, 1 row affected (0.01 sec)
mysql> insert into python batch values(2, 'Priya', 'pimpri', '2021-06-20',
556);
Query OK, 1 row affected (0.01 sec)
mysql> insert into python batch values(7, 'sanjana', 'nasik', '2021-07-20',
956);
Query OK, 1 row affected (0.01 sec)
mysql> insert into python_batch values(5, 'vaibhav', 'nasik', '2021-07-20',
952);
Query OK, 1 row affected (0.01 sec)
mysql> insert into python_batch values(10, 'harshada', 'jalgaon',
'2021-08-20',802);
Query OK, 1 row affected (0.01 sec)
mysql> insert into python batch values(13, 'harshal', 'jalana',
'2011-08-10',662);
Query OK, 1 row affected (0.00 sec)
mysql> insert into python_batch values(17, 'bhushan', 'pune',
'2018-08-10',762);
Query OK, 1 row affected (0.01 sec)
mysql> insert into python batch values(23, 'perna', 'mumbai',
'2020-09-10',1022);
Query OK, 1 row affected (0.01 sec)
mysql> select * from python batch;
+----+
s n | name
                 address DOA
    1 | Priyanka | Kondhwa | 2021-05-20 |
                                            456
    2 | Priya
                                            556 l
                 | pimpri | 2021-06-20 |
    7 | sanjana | nasik
                           | 2021-07-20 |
                                            956 l
    5 | vaibhav | nasik
                           | 2021-07-20 |
                                            952 l
   10 | harshada | jalgaon | 2021-08-20 |
                                            802 l
```

	13	harshal	jalana	2011-08-10	662
	17	bhushan	pune	2018-08-10	762
ĺ	23	perna	mumbai	2020-09-10	1022
+		+	+	+	+

mysql> select s_n, name, DOA from python_batch;

s_n	name	DOA
+	Priyanka Priya sanjana vaibhav harshada harshal	2021-05-20 2021-06-20 2021-07-20 2021-07-20 2021-08-20 2011-08-10
17	bhushan perna	2018-08-10 2020-09-10

8 rows in set (0.00 sec)

mysql> select address, number from python_batch;

	L _
address	number
+	+
Kondhwa	456
pimpri	556
nasik	956
nasik	952
jalgaon	802
jalana	662
pune	762
mumbai	1022
	L

8 rows in set (0.00 sec)

mysql> select * from python_batch;

+	+	+	+	++
s_n	name	address	DOA	number
+	+	+	+	++
•	Priyanka Priya sanjana	Kondhwa pimpri nasik	2021-05-20 2021-06-20 2021-07-20	456 556 956
5	vaibhav	nasik	2021-07-20	952
10	harshada	jalgaon	2021-08-20	802

	13	harshal	jalana	2011-08-10	662
	17	bhushan	pune	2018-08-10	762
ĺ	23	perna	mumbai	2020-09-10	1022
+	+		+	++	+

mysql> select * from python_batch limit 5;

s_n	name 	address	DOA	number
2 7 5	Priyanka Priya sanjana vaibhav harshada	Kondhwa pimpri nasik nasik jalgaon	2021-05-20 2021-06-20 2021-07-20 2021-07-20 2021-08-20	456 556 956 952 802

5 rows in set (0.00 sec)

mysql> select * from python_batch limit 7;

1 Priyanka Kondhwa 2021-05-20 456 2 Priya pimpri 2021-06-20 556 7 sanjana nasik 2021-07-20 956 5 vaibhav nasik 2021-07-20 952 10 harshada jalgaon 2021-08-20 802 13 harshal jalana 2011-08-10 662 17 bhushan nune 2018-08-10 762	s_n	name	address	DOA	number
1, 5, 145, 141, Paris 12020 00 10 702	7 5 10	Priya sanjana vaibhav harshada	pimpri nasik nasik jalgaon	2021-06-20 2021-07-20 2021-07-20 2021-08-20	556 956 952 802

7 rows in set (0.00 sec)

mysql> select * from python_batch \G;

s n: 1

name: Priyanka address: Kondhwa DOA: 2021-05-20

number: 456

s_n: 2
name: Priya
address: pimpri
DOA: 2021-06-20

number: 556

```
s_n: 7
 name: sanjana
address: nasik
  DOA: 2021-07-20
number: 956
s_n: 5
 name: vaibhav
address: nasik
  DOA: 2021-07-20
number: 952
s n: 10
  name: harshada
address: jalgaon
  DOA: 2021-08-20
number: 802
s n: 13
  name: harshal
address: jalana
  DOA: 2011-08-10
number: 662
s_n: 17
  name: bhushan
address: pune
  DOA: 2018-08-10
number: 762
s_n: 23
  name: perna
address: mumbai
  DOA: 2020-09-10
number: 1022
8 rows in set (0.00 sec)
ERROR:
No query specified
mysql> select * from python batch limit 5 \G;
************************* 1. row *******************
  s_n: 1
 name: Priyanka
address: Kondhwa
  DOA: 2021-05-20
```

```
number: 456
s_n: 2
 name: Priya
address: pimpri
  DOA: 2021-06-20
number: 556
s n: 7
 name: sanjana
address: nasik
  DOA: 2021-07-20
number: 956
s_n: 5
 name: vaibhav
address: nasik
  DOA: 2021-07-20
number: 952
s_n: 10
 name: harshada
address: jalgaon
  DOA: 2021-08-20
number: 802
5 rows in set (0.00 sec)
ERROR:
No query specified
mysql> select * from python_batch \G limit 5;
s_n: 1
 name: Priyanka
address: Kondhwa
  DOA: 2021-05-20
number: 456
************************ 2. row ******************
  s_n: 2
 name: Priya
address: pimpri
  DOA: 2021-06-20
number: 556
s n: 7
 name: sanjana
```

```
address: nasik
  DOA: 2021-07-20
number: 956
*********************** 4. row *****************
  s n: 5
  name: vaibhav
address: nasik
  DOA: 2021-07-20
number: 952
s n: 10
  name: harshada
address: jalgaon
  DOA: 2021-08-20
number: 802
************************ 6. row ******************
  name: harshal
address: jalana
  DOA: 2011-08-10
number: 662
name: bhushan
address: pune
  DOA: 2018-08-10
number: 762
s n: 23
  name: perna
address: mumbai
  DOA: 2020-09-10
number: 1022
8 rows in set (0.00 sec)
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'limit 5' at line 1

mysql> select * from python_batch;

		L	L	LL
s_n	name	address	DOA	number
2 7	Priyanka Priya sanjana vaibhav	Kondhwa pimpri nasik nasik	2021-05-20 2021-06-20 2021-07-20 2021-07-20	456 556 956 952

```
10 | harshada | jalgaon | 2021-08-20 |
                                             802
   13 | harshal
                   jalana
                           | 2011-08-10 |
                                             662 l
   17 | bhushan
                             2018-08-10
                                             762
                   pune
    23 | perna
                  | mumbai
                           | 2020-09-10 |
                                            1022
8 rows in set (0.00 sec)
mysql> insert into python batch values(15, 'namay', 'dhule', '2021-08-10',
523);
Query OK, 1 row affected (0.01 sec)
mysql> insert into python batch values(27, 'om', 'raver', '2015-08-10',
583);
Query OK, 1 row affected (0.01 sec)
mysql> insert into python batch values(37, 'mayur', 'goa', '2017-11-10',
1083);
Query OK, 1 row affected (0.01 sec)
mysql> insert into python batch values(71, 'mohan', 'nagpur', '2013-11-10',
183);
Query OK, 1 row affected (0.01 sec)
mysql> select * from python_batch;
                  | address | DOA
                                        | number |
 s n
        Priyanka |
                   Kondhwa | 2021-05-20
                                             456
     2 | Priya
                                             556 l
                   pimpri
                           | 2021-06-20
    7 | sanjana
                  nasik
                           | 2021-07-20 |
                                             956 l
     5 | vaibhav | nasik
                           | 2021-07-20 |
                                             952
    10 | harshada | jalgaon | 2021-08-20 |
                                             802
    13 | harshal
                 | jalana
                           | 2011-08-10 |
                                             662 l
   17 | bhushan
                 pune
                           | 2018-08-10 |
                                             762
    23 | perna
                           | 2020-09-10 |
                                            1022
                  mumbai
    15 | namay
                  | dhule
                           | 2021-08-10 |
                                             523
   27 om
                  raver
                           2015-08-10
                                             583
    37
                            | 2017-11-10 |
                                            1083
        mayur
                   goa
    71 l
        mohan
                  nagpur
                           | 2013-11-10
                                             183
12 rows in set (0.00 sec)
mysql> select * from python batch where address='kondhwa';
+----+
```

l number l

| address | DOA

l name

```
1 | Priyanka | Kondhwa | 2021-05-20 | 456 |
+----+---+----+
1 row in set (0.00 sec)
mysql> select * from python batch where DOA between '2021-07-01' and
'2021-10-02';
+----+
s n | name | address | DOA | number |
+----+---+----+----+
   7 | sanjana | nasik | 2021-07-20 |
  5 | vaibhav | nasik | 2021-07-20 |
                                952 l
  10 | harshada | jalgaon | 2021-08-20 |
                               802 l
  15 | namay | dhule | 2021-08-10 | 523 |
+----+----+----+
4 rows in set (0.00 sec)
mysql> select * from python batch where number between 500 and 1000;
+----+----+----+
s_n | name | address | DOA | number |
+----+---+----+----+
   2 | Priya | pimpri | 2021-06-20 |
                                 556 l
  7 | sanjana | nasik | 2021-07-20 | 956 | 5 | vaibhav | nasik | 2021-07-20 | 952 |
  5 | vaibhav | nasik
  10 | harshada | jalgaon | 2021-08-20 | 802 | 13 | harshal | jalana | 2011-08-10 | 662 | 17 | bhushan | pune | 2018-08-10 | 762 |
  15 | namay | dhule | 2021-08-10 |
                                 523 l
  27 | om | raver | 2015-08-10 |
                                 583 l
+----+
8 rows in set (0.00 sec)
mysql> desc python batch;
| Field | Type | Null | Key | Default | Extra |
DOA | varchar(255) | YES
                          NULL
+----+
5 rows in set (0.01 sec)
mysql> select * from python_batch;
+----+----+----+
```

s_n | name | address | DOA | number |

```
Priyanka
                  Kondhwa
                          2021-05-20
                                           456
    2 | Priya
                  pimpri
                            2021-06-20
                                           556 l
    7 |
        sanjana
                  nasik
                          2021-07-20
                                           956
        vaibhav
                 l nasik
                           | 2021-07-20
                                           952
   10 | harshada |
                  jalgaon | 2021-08-20
                                           802
        harshal
                 | jalana
                                           662
   13
                          2011-08-10
   17 | bhushan
                 pune
                           2018-08-10
                                           762
   23
        perna
                 mumbai
                           2020-09-10
                                          1022
                                           523
   15 l
        namay
                 dhule
                          2021-08-10
   27
        om
                 raver
                           2015-08-10
                                           583
   37
        mayur
                  goa
                           2017-11-10
                                          1083
   71 | mohan
                 nagpur
                          2013-11-10
                                           183
12 rows in set (0.00 sec)
```

mysql> select * from python batch where name like 'h%';

s_n	name	 address 		number
10	harshada	jalgaon	2021-08-20 2011-08-10	802

2 rows in set (0.00 sec)

mysql> select * from python batch where name like 'v%';

s_n	name	address	+ DOA +	number
5	vaibhav	nasik	2021-07-20 +	952

1 row in set (0.00 sec)

mysql> select * from python batch where name like 'p%';

s_n	name	address	DOA	++ number +
2	Priya	pimpri	2021-05-20 2021-06-20 2020-09-10	456 556 1022

3 rows in set (0.00 sec)

mysql> select * from python_batch where name like 'p%', 'v%'; ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use

near ', 'v%'' at line 1
mysql> select * from python_batch;

+		+	+	++
s_n	name	address	DOA	number
1 1 2 1 7 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1	Priyanka Priya sanjana	Kondhwa pimpri nasik	2021-05-20 2021-06-20 2021-07-20	456 556 956
5	vaibhav	nasik	2021-07-20	952
10	harshada	jalgaon	2021-08-20	802
13	harshal	jalana	2011-08-10	662
17	bhushan	pune	2018-08-10	762
23	perna	mumbai	2020-09-10	1022
15	namay	dhule	2021-08-10	523
27	om	raver	2015-08-10	583
37	mayur	goa	2017-11-10	1083
71	mohan	nagpur	2013-11-10	183

+----+

12 rows in set (0.00 sec)

mysql> select * from python_batch where address= 'kondhwa' and DOA between
'2021-05-01' and '2021-07-31';

```
| s_n | name | address | DOA | number | 
| 1 | Priyanka | Kondhwa | 2021-05-20 | 456 | 
| +----+
```

1 row in set (0.00 sec)

mysql> select * from python_batch where address= 'kondhwa' or DOA between
'2021-05-01' and '2021-07-31';

+	+	+	+	++
s_n	name	address	DOA	number
+	+	+	+	++
2 7	!	Kondhwa pimpri nasik nasik	2021-05-20 2021-06-20 2021-07-20 2021-07-20	456 556 956 952

4 rows in set (0.00 sec)

mysql> select * from python_batch;

s_n	name	address	+ DOA +	number
•	•	•	2021-05-20	

2	Priya	pimpri	2021-06-20	556
7	sanjana	nasik	2021-07-20	956
5	vaibhav	nasik	2021-07-20	952
10	harshada	jalgaon	2021-08-20	802
13	harshal	jalana	2011-08-10	662
17	bhushan	pune	2018-08-10	762
23	perna	mumbai	2020-09-10	1022
15	namay	dhule	2021-08-10	523
27	om	raver	2015-08-10	583
37	mayur	goa	2017-11-10	1083
71	mohan	nagpur	2013-11-10	183
+	+	+	+	++

mysql> select s_n, name, address from python_batch group by name, s_n,
address;

s_n	 name 	++ address ++
+	Priyanka Priya sanjana vaibhav harshada harshal bhushan perna	Kondhwa pimpri nasik nasik jalgaon jalana pune
15 27 37 71	namay om mayur mohan	dhule

12 rows in set (0.00 sec)

mysql> select s_n, name, address, DOA, number from python_batch group by name, s_n, address, DOA, number;

ш	_ L	L	L	LL
s_n	name	address	DOA	number
1	Priyanka	Kondhwa	2021-05-20	456
2	Priya	pimpri	2021-06-20	556
7	sanjana	nasik	2021-07-20	956
5	vaibhav	nasik	2021-07-20	952
10	harshada	jalgaon	2021-08-20	802
13	harshal	jalana	2011-08-10	662
17	bhushan	pune	2018-08-10	762

	23	perna	mumbai	2020-09-10	1022
	15	namay	dhule	2021-08-10	523
	27	om	raver	2015-08-10	583
	37	mayur	goa	2017-11-10	1083
ĺ	71	mohan	nagpur	2013-11-10	183
+		+	+	++	+

mysql> select name,s_n, address, DOA, number from python_batch group by
name, s n, address, DOA, number;

+				
name	s_n	address	DOA	number
+	1	Kondhwa	2021-05-20	456
	2	pimpri	2021-06-20	456
	7	nasik	2021-07-20	556
	5	nasik	2021-07-20	956
	10	jalgaon	2021-08-20	952
harshal	13	jalana	2011-08-10	662
bhushan	17	pune	2018-08-10	762
perna	23	mumbai	2020-09-10	1022
namay	15	dhule	2021-08-10	523
om	27	raver	2015-08-10	583
mayur	37	goa	2017-11-10	1083
mohan	71	nagpur	2013-11-10	183

+----+

12 rows in set (0.00 sec)

mysql> select name,s_n, address, DOA, number from python_batch group by
s_n, name, address, DOA, number;

+			L	
name	s_n	address	DOA	number
Priyanka	1	Kondhwa	2021-05-20	456
Priya sanjana	2 7	pimpri nasik	2021-06-20 2021-07-20	556 956
vaibhav harshada	5 10	nasik jalgaon	2021-07-20 2021-08-20	952 802
harshal	13	jalgadn	2011-08-10	662
bhushan perna	17 23	pune mumbai	2018-08-10 2020-09-10	762 1022
namay	15	dhule	2021-08-10	523
om mayur	27 37	raver goa	2015-08-10 2017-11-10	583 1083
mohan	71	nagpur	2013-11-10	183
+	+		+	+

mysql> select name,s_n, address, DOA, number from python_batch group by address,s_n, name, DOA, number;

+				
name	s_n	address	DOA	number
Priyanka	1	Kondhwa	2021-05-20	456
Priya	2	pimpri	2021-06-20	556
sanjana	7	nasik	2021-07-20	956
vaibhav	5	nasik	2021-07-20	952
harshada	10	jalgaon	2021-08-20	802
harshal	13	jalana	2011-08-10	662
bhushan	17	pune	2018-08-10	762
perna	23	mumbai	2020-09-10	1022
namay	15	dhule	2021-08-10	523
om	27	raver	2015-08-10	583
mayur	37	goa	2017-11-10	1083
mohan	71	nagpur	2013-11-10	183

+----+

12 rows in set (0.00 sec)

mysql> select * from python batch;

s_n	name	address	DOA	number
+	Priyanka Priya sanjana vaibhav harshada harshal bhushan perna namay om mayur	+	+	456 556 956 952 802 662 762 1022 523 583 1083

12 rows in set (0.00 sec)

mysql> select s_n, name, address from python_batch group by name, s_n, address;

+	+	++	
s_n	name	address	
+	+	++	

1	Priyanka	Kondhwa
2	Priya	pimpri
7	sanjana	nasik
5	vaibhav	nasik
10	harshada	jalgaon
13	harshal	jalana
17	bhushan	pune
23	perna	mumbai
15	namay	dhule
27	om	raver
37	mayur	goa
71	mohan	nagpur
+	+	++

12 rows in set (0.00 sec)

mysql> sql_path

->

->

->;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'sql_path' at line 1

mysql> select * from python_batch;

s_n	name	 address	DOA	number
1	Priyanka	Kondhwa	2021-05-20	456
2	Priya	pimpri	2021-06-20	556
7	sanjana	nasik	2021-07-20	956
5	vaibhav	nasik	2021-07-20	952
10	harshada	jalgaon	2021-08-20	802
13	harshal	jalana	2011-08-10	662
17	bhushan	pune	2018-08-10	762
23	perna	mumbai	2020-09-10	1022
15	namay	dhule	2021-08-10	523
27	om	raver	2015-08-10	583
37	mayur	goa	2017-11-10	1083
71	mohan	nagpur	2013-11-10	183
+		+	+	++

12 rows in set (0.00 sec)

mysql> select s_n, name, address, DOA from python_batch group by name, address, DOA order by DOA asc;

+	+	+	++
s_n	name	address	DOA
+	+	+	

13	harshal	jalana	2011-08-10
71	mohan	nagpur	2013-11-10
27	om	raver	2015-08-10
37	mayur	goa	2017-11-10
17	bhushan	pune	2018-08-10
23	perna	mumbai	2020-09-10
1	Priyanka	Kondhwa	2021-05-20
2	Priya	pimpri	2021-06-20
7	sanjana	nasik	2021-07-20
5	vaibhav	nasik	2021-07-20
15	namay	dhule	2021-08-10
10	harshada	jalgaon	2021-08-20
+		+	+

mysql> select name, address, DOA from python_batch group by name, address, DOA order by DOA asc;

name	+		+
mohan nagpur 2013-11-10 om raver 2015-08-10 mayur goa 2017-11-10 bhushan pune 2018-08-10 perna mumbai 2020-09-10 Priyanka Kondhwa 2021-05-20 Priya pimpri 2021-06-20 sanjana nasik 2021-07-20 vaibhav nasik 2021-07-20 namay dhule 2021-08-10	name	address	DOA
	mohan om mayur bhushan perna Priyanka Priya sanjana vaibhav namay	nagpur raver goa pune mumbai Kondhwa pimpri nasik nasik dhule	2013-11-10 2015-08-10 2017-11-10 2018-08-10 2020-09-10 2021-05-20 2021-06-20 2021-07-20 2021-07-20 2021-08-10

12 rows in set (0.00 sec)

mysql> select name, address, DOA from python_batch group by name, address, DOA order by DOA desc;

		L	ı
name	address	DOA	
harshada namay sanjana vaibhav Priya	jalgaon dhule nasik nasik pimpri	2021-08-20 2021-08-10 2021-07-20 2021-07-20 2021-06-20	
Priyanka	Kondhwa	2021-05-20	l

perna	mumbai	2020-09-10
bhushan	pune	2018-08-10
mayur	goa	2017-11-10
om	raver	2015-08-10
mohan	nagpur	2013-11-10
harshal	jalana	2011-08-10
+	+	++

mysql> select * from python_batch;

+				
s_n	name	address +	DOA	 number
1	 Priyanka	Kondhwa	2021-05-20	456
2	Priya	pimpri	2021-06-20	556
7	sanjana	nasik	2021-07-20	956
5	vaibhav	nasik	2021-07-20	952
10	harshada	jalgaon	2021-08-20	802
13	harshal	jalana	2011-08-10	662
17	bhushan	pune	2018-08-10	762
23	perna	mumbai	2020-09-10	1022
15	namay	dhule	2021-08-10	523
27	om	raver	2015-08-10	583
37	mayur	goa	2017-11-10	1083
71	mohan	nagpur	2013-11-10	183
+	+	+	+	

12 rows in set (0.00 sec)

mysql> select * from python_batch order by name asc;

s_n	name	address	DOA	number
17	bhushan	pune	2018-08-10	762
10	harshada	jalgaon	2021-08-20	802
13	harshal	jalana	2011-08-10	662
37	mayur	goa	2017-11-10	1083
71	mohan	nagpur	2013-11-10	183
15	namay	dhule	2021-08-10	523
27	om	raver	2015-08-10	583
23	perna	mumbai	2020-09-10	1022
2	Priya	pimpri	2021-06-20	556
1	Priyanka	Kondhwa	2021-05-20	456
7	sanjana	nasik	2021-07-20	956
5	vaibhav	nasik	2021-07-20	952

12 rows in set (0.00 sec)

mysql> select * from python_batch order by name desc;

_					
	s_n	name	address	DOA	number
	5	vaibhav	nasik	2021-07-20	952
	7	sanjana	nasik	2021-07-20	956
	1	Priyanka	Kondhwa	2021-05-20	456
	2	Priya	pimpri	2021-06-20	556
	23	perna	mumbai	2020-09-10	1022
	27	om	raver	2015-08-10	583
	15	namay	dhule	2021-08-10	523
	71	mohan	nagpur	2013-11-10	183
	37	mayur	goa	2017-11-10	1083
	13	harshal	jalana	2011-08-10	662
	10	harshada	jalgaon	2021-08-20	802
	17	bhushan	pune	2018-08-10	762
-		+	+	+	+

mysql> select * from python_batch order by address desc;

s_n	name	address	DOA	number
+	+ om bhushan Priya sanjana vaibhav mohan perna	+	+	583 762 556 956 952 183 1022
1 10 13 37 15 +	Priyanka harshada harshal mayur namay	Kondhwa jalgaon jalana goa dhule	2021-05-20 2021-08-20 2011-08-10 2017-11-10 2021-08-10	456 802 662 1083 523

12 rows in set (0.00 sec)

mysql> select * from python_batch order by address asc;

+		+	+	+	+
s_n	name	address	DOA	number	
15	namay	dhule	2021-08-10	523	_
37	mayur	goa	2017-11-10	1083	١
13	harshal	jalana	2011-08-10	662	ĺ

10	harshada	jalgaon	2021-08-20	802
1	Priyanka	Kondhwa	2021-05-20	456
23	perna	mumbai	2020-09-10	1022
71	mohan	nagpur	2013-11-10	183
7	sanjana	nasik	2021-07-20	956
5	vaibhav	nasik	2021-07-20	952
2	Priya	pimpri	2021-06-20	556
17	bhushan	pune	2018-08-10	762
27	om	raver	2015-08-10	583

+----+

12 rows in set (0.00 sec)

mysql> select s_n, name, address from python_batch group by name, s_n,
address;

s_n	name	+ address				
1	Priyanka	Kondhwa				
2	Priya	pimpri				
7	sanjana	nasik				
5	vaibhav	nasik				
10	harshada	jalgaon				
13	harshal	jalana				
17	bhushan	pune				
23	perna	mumbai				
15	namay	dhule				
27	om	raver				
37	mayur	goa				
71	mohan	nagpur				

12 rows in set (0.00 sec)

mysql>

DATE : 03/10/21

SPECIFIED DATA SELECTION on COLUMN

mysql> show databases;

```
Database
 cscorner
information schema
| mysql
| performance_schema
python batch
sql_airport
sql batch
| sql bus
sql delhi
sql_guitar
| sql info
 sql_lazwer
sql lotus
| sql mi
sql_mzster
sql nr
| sql nwler
sql_paltan
sql_path
| sql pen
| sql pride
| sql_robotics
| sql runway
| sql_school
sql_weekend
sql_wzlord
sys
27 rows in set (0.01 sec)
mysql> use python batch;
Database changed
mysql> show tables;
| Tables_in_python_batch |
+----+
| python_batch
+----+
1 row in set (0.01 sec)
mysql> select * from python batch;
+----+----+----
----+
```

s_n n	·					·	email_id
+	+-		+-		+-	+	
+ 1 P	riyanka	Kondhwa		2021-05-20		456	NULL
2 P	riya	pimpri		2021-06-20		556	NULL
7 s	anjana	nasik		2021-07-20		956	NULL
	aibhav il@gmail.co			2021-07-20		952	
· · · · · · · · · · · · · · · · · · ·				2011-08-10		662	NULL
17 b	hushan	pune		2018-08-10		762	NULL
23 p	erna	mumbai		2020-09-10		1022	NULL
15 n	amay	dhule		2021-08-10		523	NULL
27 o	m	raver		2015-08-10		583	NULL
37 m	ayur	goa		2017-11-10		1083	NULL
 71 m	ohan	nagpur		2013-11-10		183	NULL
 200 t	anushka	banglore		2021-05-2020		100	NULL
 150 t	anisha	indoor		2021-07-2020	1	500	NULL
 1200 t	anay	aurangabad		2021-07-10		466	NULL
 120 v	inay	osmanbad		2191-07-10		476	NULL
 950 a	mar	sangli		202-07-30		981	NULL
 950 a	mar	sangli		202-07-30		981	NULL
 90 r	akesh	lahore		2020-08-12		666	NULL
 70 v	aishnavi	thane		2019-09-12		686	NULL
 40 r	itu	beed		2021-08-10		498	NULL
 577 r 	akul	bomaby		2021-09-11		421	NULL

```
| 1007 | chetana | jalgaon | 2021-12-11 | 42 | NULL
| 187 | shekhar | nandurbar | 2021-09-11 | 812 | NULL
24 rows in set (0.00 sec)
     # COPY TABLES:
mysql> create table python batch1 as select * from python batch;
Query OK, 24 rows affected (0.07 sec)
Records: 24 Duplicates: 0 Warnings: 0
mysql> select * from python batch1;
----+
s n | name | address | DOA | number | email id
+----+----+----
  1 | Priyanka | Kondhwa | 2021-05-20 | 456 | NULL
| 2 | Priya | pimpri | 2021-06-20 | 556 | NULL
7 | sanjana | nasik | 2021-07-20 | 956 | NULL
            | 5 | vaibhav
vaibhavpatil@gmail.com |
  13 | harshal | jalana | 2011-08-10 | 662 | NULL
  17 | bhushan | pune | 2018-08-10 | 762 | NULL
  23 | perna
           | mumbai | 2020-09-10 | 1022 | NULL
  15 | namay | dhule | 2021-08-10 | 523 | NULL
  27 om | raver | 2015-08-10 | 583 | NULL
  37 | mayur | goa | 2017-11-10 | 1083 | NULL
  71 | mohan | nagpur | 2013-11-10 | 183 | NULL
  200 | tanushka | banglore | 2021-05-2020 | 100 | NULL
```

```
150 | tanisha | indoor | 2021-07-2020 | 500 | NULL
120 | vinay | osmanbad | 2191-07-10 | 476 | NULL
           981 | NULL
 950 | amar
 950 | amar | sangli | 202-07-30 | 981 | NULL
           | 666 | NULL
  90 | rakesh
  70 | vaishnavi | thane | 2019-09-12
                            | 686 | NULL
  40 | ritu
           | 421 | NULL
           | bomaby | 2021-09-11
 577 | rakul
| 42 | NULL
 107 | vaibhavi | latur | 2021-07-11 | 414 | NULL
 187 | shekhar | nandurbar | 2021-09-11 | 812 | NULL
24 rows in set (0.00 sec)
mysql> alter table python batch1 add fax n int(10);
Query OK, 0 rows affected, 1 warning (0.03 sec)
Records: 0 Duplicates: 0 Warnings: 1
mysql> select * from python_batch1;
                   DOA | number | email_id
s_n name
           address
   | fax n |
-----+
   1 | Priyanka | Kondhwa | 2021-05-20 | 456 | NULL
   | NULL |
  2 | Priya
           | pimpri | 2021-06-20 | 556 | NULL
   | NULL |
  7 | sanjana | nasik | 2021-07-20 | 956 | NULL
   | NULL |
   5 | vaibhav | nasik | 2021-07-20 |
                                952
```

vaibhav	patil@gmail.	. cc	om NULL				
13	harshal NULL		jalana		2011-08-10		662 NULL
17 1	bhushan NULL		pune	I	2018-08-10		762 NULL
	perna NULL		mumbai		2020-09-10		1022 NULL
15	namay NULL		dhule		2021-08-10		523 NULL
27	om NULL		raver		2015-08-10		583 NULL
37	mayur NULL		goa	1	2017-11-10		1083 NULL
71	mohan NULL		nagpur		2013-11-10		183 NULL
200	tanushka NULL		banglore		2021-05-2020		100 NULL
150	tanisha		indoor	1	2021-07-2020		500 NULL
1200	NULL tanay	1	aurangabad		2021-07-10		466 NULL
120	NULL vinay		osmanbad		2191-07-10		476 NULL
950	NULL amar		sangli		202-07-30		981 NULL
950	NULL amar	1	sangli	1	202-07-30		981 NULL
90	NULL rakesh	1	lahore	1	2020-08-12		666 NULL
70	NULL vaishnavi	1	thane	1	2019-09-12		686 NULL
40	NULL ritu		beed		2021-08-10		498 NULL
•	NULL rakul	1	bomaby	1	2021-09-11		421 NULL
1007	•	1	jalgaon	1	2021-12-11		42 NULL
•			latur		2021-07-11		414 NULL
187		1	nandurbar	1	2021-09-11		812 NULL
+	NULL +	-+-		-+-		-+	+
+	+			-			
24 rows	in set (0.0	10	sec)				

mysql> alter table python_batch1 add phone_n int(10) after name;

Query OK, 0 rows affected, 1 warning (0.08 sec) Records: 0 Duplicates: 0 Warnings: 1

mysql>	select	*	from	python	_batch1;
--------	--------	---	------	--------	----------

++		-+-		+	
	one_n address fax_n		DOA		number
		-		-	·
1 Priyanka			2021-05-20		456 NULL
NULL 2 Priya NULL	NULL pimpri	I	2021-06-20		556 NULL
7 sanjana NULL	NULL nasik		2021-07-20		956 NULL
5 vaibhav	NULL nasik		2021-07-20		952
<pre>vaibhavpatil@gmail.com 13 harshal </pre>	NULL NULL jalana	ı	2011-08-10	ı	662 NULL
13 Harshat NULL		ı	2011-08-10	1	002 NOLL
17 bhushan	NULL pune		2018-08-10		762 NULL
NULL 23 perna	 NULL mumbai	ı	2020-09-10	ī	1022 NULL
NULL		1	2020 03 10	'	1022 NOLL
15 namay	NULL dhule		2021-08-10		523 NULL
NULL 27 om NULL	NULL raver	1	2015-08-10		583 NULL
·	NULL goa	1	2017-11-10		1083 NULL
71 mohan NULL	NULL nagpur	I	2013-11-10		183 NULL
200 tanushka NULL	NULL banglore	I	2021-05-2020		100 NULL
·	 NULL indoor	1	2021-07-2020		500 NULL
•	 NULL aurangabad 		2021-07-10		466 NULL
120 vinay NULL	NULL osmanbad		2191-07-10		476 NULL
950 amar NULL	NULL sangli		202-07-30		981 NULL
950 amar NULL	NULL sangli		202-07-30		981 NULL
90 rakesh NULL	NULL lahore 	I	2020-08-12		666 NULL

```
70 | vaishnavi | NULL | thane | 2019-09-12 | 686 | NULL
            NULL |
                 NULL | beed | 2021-08-10
                                        40 | ritu
                                             498 | NULL
             NULL
                 NULL | bomaby | 2021-09-11
                                        421 | NULL
  577 | rakul
             NULL |
                 NULL | jalgaon | 2021-12-11
 1007 | chetana
            42 NULL
             NULL |
                NULL | latur | 2021-07-11
  107 | vaibhavi |
                                           414 | NULL
             NULL |
                 NULL | nandurbar | 2021-09-11 |
                                           812 NULL
  187 | shekhar
            NULL
-----+
24 rows in set (0.00 sec)
mysql> alter table python batch1 add roll n int(10) first;
Query OK, 0 rows affected, 1 warning (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 1
mysql> select * from python_batch1;
+-----
+----+
 roll n | s n | name
                   | phone n | address
                                     DOA
                  | fax n |
+----+
          1 | Priyanka | NULL | Kondhwa | 2021-05-20
  NULL
                                                    456
                    NULL
 NULL
          2 | Priya
                    | NULL | pimpri | 2021-06-20
  NULL |
                                                    556
                    NULL |
 NULL
                    | NULL | nasik | 2021-07-20
  NULL
          7 | sanjana
                                                    956
 NULL
                    NULL
          5 | vaibhav
                       NULL | nasik
                                     2021-07-20
  NULL |
                                                    952
 vaibhavpatil@gmail.com |
                    NULL
         13 | harshal
                      NULL | jalana
  NULL |
                                     2011-08-10
                                                    662
 NULL
                    NULL
                        NULL | pune
                                     2018-08-10
  NULL |
         17 | bhushan
                                                    762
 NULL
                    NULL |
                        NULL | mumbai
  NULL |
         23 | perna
                                     2020-09-10
                                                   1022
 NULL
                    NULL
  NULL |
         15 | namay
                      NULL | dhule
                                     2021-08-10
                                                    523
 NULL
                    NULL
         27 om
                        NULL | raver | 2015-08-10
                                                    583
  NULL |
                    NULL |
 NULL
                    | NULL | goa
                                     | 2017-11-10
  NULL
         37 | mayur
                                                   1083
```

```
NULL
                        NULL
                            NULL | nagpur | 2013-11-10
   NULL | 71 | mohan
                                                             183
                       NULL |
 NULL
   NULL |
          200 | tanushka |
                            NULL | banglore | 2021-05-2020 |
                                                             100
 NULL
                      NULL |
   NULL |
          150 | tanisha
                           NULL | indoor | 2021-07-2020 |
                                                             500
                        NULL
 NULL
   NULL | 1200 | tanay
                           NULL | aurangabad | 2021-07-10
                                                             466
                       NULL
 NULL
                            NULL | osmanbad
   NULL |
          120 | vinay
                                           2191-07-10
                                                             476
 NULL
                     | NULL |
                           NULL | sangli | 202-07-30
   NULL |
          950 | amar
                                                             981
 NULL
                        NULL |
          950 | amar
                           NULL | sangli | 202-07-30
   NULL |
                                                             981
                     | NULL |
 NULL
   NULL | 90 | rakesh
                            NULL | lahore | 2020-08-12
                                                             666
 NULL
                     | NULL |
   NULL | 70 | vaishnavi |
                          NULL | thane
                                           2019-09-12
                                                             686
                      NULL |
 NULL
   NULL | 40 | ritu
                           NULL | beed | 2021-08-10
                                                             498
 NULL
                     NULL
   NULL
          577 | rakul
                            NULL | bomaby | 2021-09-11
                                                             421
 NULL
                     | NULL |
                          NULL | jalgaon | 2021-12-11
   NULL | 1007 | chetana
                                                              42
                        NULL
 NULL
   NULL | 107 | vaibhavi |
                            NULL | latur | 2021-07-11
                                                             414
 NULL
                       NULL
          187 | shekhar
                            NULL | nandurbar | 2021-09-11
   NULL
                                                             812
NULL
                        NULL
+----+
24 rows in set (0.00 sec)
mysql> alter table python batch1 drop column roll n;
Query OK, 0 rows affected (0.08 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> alter table python batch1 drop column phone n;
Query OK, 0 rows affected (0.08 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> alter table python batch1 drop column fax n;
Query OK, 0 rows affected (0.08 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

mysql> select * from python_batch1;

+	+		+-		+-		+-	
+ s_n na 	ame	address		DOA	I	number		email_id
+	+		+-		+-		+-	
+ 1 Pr	riyanka	Kondhwa		2021-05-20	I	456	l	NULL
2 Pr	riya	pimpri		2021-06-20	l	556	l	NULL
7 sa	anjana	nasik		2021-07-20	I	956		NULL
5 va vaibhavpati	•			2021-07-20		952	l	
	٠.	•		2011-08-10		662	l	NULL
17 bh	nushan	pune		2018-08-10		762	l	NULL
23 pe	erna	mumbai		2020-09-10		1022		NULL
15 na	amay	dhule		2021-08-10		523	l	NULL
27 on	n	raver		2015-08-10	I	583		NULL
37 ma	ayur	goa		2017-11-10		1083	l	NULL
71 mc	ohan	nagpur		2013-11-10	١	183		NULL
200 ta	anushka	banglore		2021-05-2020	I	100		NULL
150 ta	anisha	indoor		2021-07-2020		500		NULL
1200 ta	anay	aurangabad		2021-07-10	l	466		NULL
120 vi	inay	osmanbad		2191-07-10	I	476		NULL
950 an	mar	sangli		202-07-30	I	981		NULL
950 an	mar	sangli		202-07-30	I	981	l	NULL
 90 ra	akesh	lahore		2020-08-12	I	666		NULL
 70 va	aishnavi	thane		2019-09-12	I	686		NULL
 40 ri 	itu	beed		2021-08-10	l	498		NULL

```
| 1007 | chetana | jalgaon | 2021-12-11 | 42 | NULL
 107 | vaibhavi | latur | 2021-07-11 | 414 | NULL
  187 | shekhar | nandurbar | 2021-09-11 | 812 | NULL
24 rows in set (0.00 sec)
mysql> update table python batch1 set email id='sanjanapatil@gmail.com'
where s n=7;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual
that corresponds to your MySQL server version for the right syntax to use
near 'table python batch1 set email id='sanjanapatil@gmail.com' where
s_n=7' at line 1
mysql> update python batch1 set email id='sanjanapatil@gmail.com' where
s n=7;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> select * from python_batch1;
s n | name | address | DOA | number | email id
| 1 | Priyanka | Kondhwa | 2021-05-20 | 456 | NULL
| 2 | Priya | pimpri | 2021-06-20 | 556 | NULL
7 | sanjana | nasik | 2021-07-20 | 956 |
sanjanapatil@gmail.com
   5 | vaibhav | nasik | 2021-07-20 | 952 |
vaibhavpatil@gmail.com |
  13 | harshal | jalana | 2011-08-10 | 662 | NULL
  17 | bhushan | pune | 2018-08-10 | 762 | NULL
  23 | perna | mumbai | 2020-09-10 | 1022 | NULL
  15 | namay | dhule | 2021-08-10 | 523 | NULL
```

-	27	om		raver		2015-08-10	1	583		NULL
	37	mayur		goa		2017-11-10	1	1083		NULL
	71	mohan		nagpur		2013-11-10	1	183	١	NULL
	200	tanushka		banglore		2021-05-2020	1	100	I	NULL
	150	tanisha		indoor		2021-07-2020	1	500	I	NULL
	1200	tanay		aurangabad	I	2021-07-10	1	466	I	NULL
	120	vinay		osmanbad	1	2191-07-10	1	476	I	NULL
	950	amar		sangli		202-07-30	I	981	١	NULL
	950	amar		sangli		202-07-30	1	981	I	NULL
	90	rakesh		lahore		2020-08-12	I	666	١	NULL
	 70	vaishnavi		thane		2019-09-12	1	686	1	NULL
	 40	ritu		beed		2021-08-10	1	498	I	NULL
	 577	rakul		bomaby		2021-09-11	1	421	I	NULL
	1007	chetana		jalgaon		2021-12-11	I	42	1	NULL
	 107	vaibhavi		latur		2021-07-11	I	414	1	NULL
	 187	shekhar		nandurbar		2021-09-11	1	812	I	NULL
+-	 +-		+-		+-		+		+-	
	+									

mysql> update table python_batch1 set DOA='2021-10-17' where s_n=187; ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'table python_batch1 set DOA='2021-10-17' where s_n=187' at line 1 mysql> update python_batch1 set DOA='2021-10-17' where s_n=187; Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

+ s_n name 			number	_
++	-+	-+	-++	
1 Priyanka	Kondhwa	2021-05-20	456	NULL
2 Priya	pimpri	2021-06-20	556	NULL
7 sanjana		2021-07-20	956	
•	nasik	2021-07-20	952	
vaibhavpatil@gmail. 13 harshal		2011-08-10	662	NULL
 17 bhushan	pune	2018-08-10	762	NULL
 23 perna	mumbai	2020-09-10	1022	NULL
 15 namay	dhule	2021-08-10	523	NULL
 27 om	raver	2015-08-10	583	NULL
 37 mayur	goa	2017-11-10	1083	NULL
 71 mohan	nagpur	2013-11-10	183	NULL
 200 tanushka	banglore	2021-05-2020	100	NULL
 150 tanisha	indoor	2021-07-2020	500	NULL
 1200 tanay	aurangabad	2021-07-10	466	NULL
 120 vinay	osmanbad	2191-07-10	476	NULL
 950 amar	sangli	202-07-30	981	NULL
 950 amar	sangli	202-07-30	981	NULL
 90 rakesh	lahore	2020-08-12	666	NULL
 70 vaishnavi	thane	2019-09-12	686	NULL
 40 ritu	beed	2021-08-10	498	NULL
 577 rakul	bomaby	2021-09-11	421	NULL

```
| 1007 | chetana | jalgaon | 2021-12-11 | 42 | NULL
  107 | vaibhavi | latur | 2021-07-11 |
                                414 | NULL
 187 | shekhar | nandurbar | 2021-10-17 | 812 | NULL
24 rows in set (0.00 sec)
mysql> delete from python batch1 where s n=1200;
Query OK, 1 row affected (0.01 sec)
mysql> select * from python_batch1;
+----+----+-----
s n | name | address | DOA
                             | number | email id
1 | Priyanka | Kondhwa | 2021-05-20 | 456 | NULL
| 2 | Priya | pimpri | 2021-06-20
                                 556 | NULL
                    2021-07-20
                                 956
| 7 | sanjana
            nasik
sanjanapatil@gmail.com |
   5 | vaibhav
            952
vaibhavpatil@gmail.com |
                              | 662 | NULL
  13 | harshal
           | jalana | 2011-08-10
  17 | bhushan
                    2018-08-10
                                 762 | NULL
            pune
            | mumbai | 2020-09-10
                                1022 | NULL
  23 perna
                                 523 | NULL
  15 namay
            27 | om
            583 | NULL
            goa 2017-11-10
  37 | mayur
                                1083 | NULL
            71 | mohan
                                 183 | NULL
  200 | tanushka | banglore | 2021-05-2020 |
                                 100 | NULL
```

| indoor | 2021-07-2020 |

150 | tanisha

500 | NULL

```
osmanbad | 2191-07-10
                              | 476 | NULL
 120 | vinay
  950 | amar
            981 | NULL
                                 981 | NULL
 950 | amar
            90 rakesh
            | lahore | 2020-08-12
                                 666 | NULL
  70 | vaishnavi | thane | 2019-09-12
                                 686 | NULL
            | beed | 2021-08-10
                                 498 | NULL
  40 | ritu
            421 | NULL
 577 | rakul
                              1
| 42 | NULL
 107 | vaibhavi | latur | 2021-07-11 | 414 | NULL
 187 | shekhar | nandurbar | 2021-10-17 | 812 | NULL
23 rows in set (0.00 sec)
mysql> START TRANSACTION;
Query OK, 0 rows affected (0.00 sec)
mysql> SAVEPOINT SP1;
Query OK, 0 rows affected (0.00 sec)
mysql> delete from python batch1 where s n > 2;
Query OK, 21 rows affected (0.00 sec)
mysql> select * from python batch1;
+----+
s_n | name | address | DOA | number | email_id |
+----+
   1 | Priyanka | Kondhwa | 2021-05-20 |
                              456 | NULL
   2 | Priya | pimpri | 2021-06-20 |
                              556 | NULL
+----+
2 rows in set (0.00 sec)
mysql> rollback to SP1;
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> select * from python_batch1;
| s n | name
             address DOA
                               | number | email id
1 | Priyanka | Kondhwa
                     2021-05-20
                               | 456 | NULL
                                   556 | NULL
  2 | Priya
            | pimpri | 2021-06-20
   7 | sanjana | nasik
                     2021-07-20
                                   956 l
sanjanapatil@gmail.com |
   5 | vaibhav
             952
vaibhavpatil@gmail.com |
  13 | harshal
             | jalana | 2011-08-10
                                | 662 | NULL
                                | 762 | NULL
  17 | bhushan
             pune | 2018-08-10
  23 | perna
             | mumbai
                   | 2020-09-10
                                  1022 | NULL
  15 namay
            523 NULL
  27 | om
            583 NULL
  37 | mayur
             goa
                     2017-11-10
                                  1083 | NULL
                     2013-11-10
                               | 183 | NULL
  71 mohan
            nagpur
                                   100 | NULL
  200 | tanushka
            | banglore | 2021-05-2020 |
             lindoor
                     | 2021-07-2020 |
                                   500 | NULL
 150 | tanisha
            osmanbad
                     2191-07-10
                                   476 | NULL
  120 | vinay
  950 | amar
                                   981 | NULL
            sangli
                     202-07-30
 950 | amar
            sangli
                     202-07-30
                                   981 | NULL
  90 | rakesh | lahore | 2020-08-12
                               666 | NULL
  70 | vaishnavi | thane | 2019-09-12
                                   686 | NULL
  40 | ritu
             | beed | 2021-08-10
                                   498 | NULL
  577 | rakul
            | bomaby | 2021-09-11
                                   421 | NULL
```

```
| 1007 | chetana | jalgaon | 2021-12-11 | 42 | NULL
  107 | vaibhavi | latur | 2021-07-11 | 414 | NULL
  187 | shekhar | nandurbar | 2021-10-17 | 812 | NULL
23 rows in set (0.00 sec)
mysql> insert into python batch1 values(188, 'atish', 'pune',
'2021-10-08',485, 'atishagrwal@gmail.com');
Query OK, 1 row affected (0.00 sec)
mysql> select * from python batch1;
----+
s n | name | address | DOA | number | email id
1 | Priyanka | Kondhwa | 2021-05-20 | 456 | NULL
| 2 | Priya | pimpri | 2021-06-20 | 556 | NULL
  7 | sanjana | nasik | 2021-07-20 | 956 |
sanjanapatil@gmail.com |
            5 | vaibhav
                               952
vaibhavpatil@gmail.com |
  13 | harshal | jalana | 2011-08-10
                               | 662 | NULL
  17 | bhushan | pune | 2018-08-10 | 762 | NULL
  23 | perna
            | mumbai | 2020-09-10
                               | 1022 | NULL
  15 | namay
            | 523 | NULL
  27 om
            | raver | 2015-08-10
                               | 583 | NULL
  37 | mayur
            goa | 2017-11-10 | 1083 | NULL
 71 | mohan | nagpur | 2013-11-10 | 183 | NULL
  200 | tanushka | banglore | 2021-05-2020 | 100 | NULL
```

```
476 | NULL
 120 | vinay
            osmanbad | 2191-07-10 |
                                  981 | NULL
 950 | amar
            sangli
                    202-07-30
                               950 | amar | sangli | 202-07-30
                                  981 | NULL
  90 | rakesh | lahore | 2020-08-12
                                  666 | NULL
                                  686 | NULL
  70 | vaishnavi | thane | 2019-09-12
 40 | ritu
            | beed | 2021-08-10
                                  498 | NULL
 577 | rakul | bomaby | 2021-09-11 | 421 | NULL
| 1007 | chetana | jalgaon | 2021-12-11
                               | 42 | NULL
 107 | vaibhavi | latur | 2021-07-11
                              | 414 | NULL
 187 | shekhar | nandurbar | 2021-10-17 | 812 | NULL
 188 | atish
            atishagrwal@gmail.com |
24 rows in set (0.00 sec)
mysql> commit;
Query OK, 0 rows affected (0.00 sec)
mysql> select * from python batch1;
s n | name | address
                    DOA
                              | number | email id
1 | Priyanka | Kondhwa | 2021-05-20 | 456 | NULL
2 | Priya | pimpri | 2021-06-20 | 556 | NULL
  7 | sanjana | nasik | 2021-07-20 |
                                  956
sanjanapatil@gmail.com |
   5 | vaibhav | nasik | 2021-07-20 | 952 |
vaibhavpatil@gmail.com |
```

150 | tanisha | indoor | 2021-07-2020 | 500 | NULL

```
13 | harshal
              | jalana | 2011-08-10
                                   | 662 | NULL
   17 | bhushan
                                   | 762 | NULL
              pune | 2018-08-10
                                      1022 | NULL
   23 | perna
              | mumbai | 2020-09-10
              523 | NULL
   15 namay
   27 | om
              583 | NULL
                                      1083 | NULL
   37 | mayur
                       2017-11-10
              goa
                       2013-11-10
   71 | mohan
              nagpur
                                   | 183 | NULL
              | banglore | 2021-05-2020 |
                                       100 | NULL
  200 | tanushka
                       | 2021-07-2020 |
                                       500 | NULL
  150 | tanisha
              indoor
  120 | vinay
              osmanbad | 2191-07-10
                                       476 | NULL
                                       981 | NULL
  950 | amar
              sangli
                       202-07-30
  950 | amar
              sangli
                       202-07-30
                                       981 | NULL
                                       666 | NULL
   90 | rakesh | lahore | 2020-08-12
  70 | vaishnavi | thane | 2019-09-12
                                       686 | NULL
                                       498 | NULL
  40 | ritu
              | beed | 2021-08-10
                                   | 421 | NULL
  577 | rakul
             | bomaby | 2021-09-11
| 1007 | chetana | jalgaon | 2021-12-11
                                   | 42 | NULL
  107 | vaibhavi
              latur
                       2021-07-11
                                   | 414 | NULL
                                       812 | NULL
  187 | shekhar | nandurbar | 2021-10-17
  188 | atish
                       2021-10-08
                                       485
              pune
atishagrwal@gmail.com
24 rows in set (0.00 sec)
mysql> show tables;
```

```
| Tables_in_python_batch |
+----+
python_batch
python_batch1
+----+
2 rows in set (0.01 sec)
mysql> show databases;
Database
+----+
cscorner
information schema
| mysql
| performance_schema
python batch
| sql airport
sql_batch
| sql bus
| sql delhi
| sql_guitar
| sql_info
| sql lazwer
| sql lotus
| sql_mi
sql mzster
| sql_nr
| sql nwler
| sql_paltan
| sql_path
sql_pen
| sql_pride
| sql_robotics
| sql_runway
| sql school
sql_weekend
| sql wzlord
sys
27 rows in set (0.00 sec)
mysql> drop database sql_paltan;
Query OK, 0 rows affected (0.05 sec)
mysql> show databases;
+----+
```

```
Database
 cscorner
information_schema
mysql
 performance schema
python_batch
| sql airport
sql batch
sql bus
| sql delhi
| sql guitar
| sql info
| sql lazwer
sql_lotus
| sql mi
sql mzster
| sql_nr
| sql nwler
| sql path
| sql_pen
| sql_pride
| sql_robotics
| sql runway
| sql_school
sql weekend
sql wzlord
sys
26 rows in set (0.00 sec)
mysql> drop database sql path;
Query OK, 1 row affected (0.05 sec)
mysql> drop database sql pen;
Query OK, 1 row affected (0.02 sec)
mysql> drop database sql pride;
Query OK, 1 row affected (0.03 sec)
mysql> drop database sql weekend;
Query OK, 1 row affected (0.03 sec)
mysql> drop database sql_mi;
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> drop database sql lotus;
Query OK, 0 rows affected (0.01 sec)
mysql> drop database sql_guitar;
Query OK, 1 row affected (0.03 sec)
mysql> drop database sql bus;
Query OK, 0 rows affected (0.01 sec)
mysql> drop database sql airport;
Query OK, 1 row affected (0.05 sec)
mysql> drop database sql delhi;
Query OK, 1 row affected (0.02 sec)
mysql> drop database sql school;
Query OK, 1 row affected (0.02 sec)
mysql> drop database sql nr;
Query OK, 1 row affected (0.03 sec)
mysql> drop database sql_robotics;
Query OK, 1 row affected (0.02 sec)
mysql> show databases;
+----+
Database
cscorner
information schema
| mysql
performance schema
| python_batch
| sql batch
| sql info
| sql lazwer
| sql mzster
| sql nwler
| sql runway
| sql_wzlord
sys
13 rows in set (0.01 sec)
mysql> drop database sql info;
Query OK, 1 row affected (0.02 sec)
```

```
mysql> drop database sql runway;
Query OK, 1 row affected (0.05 sec)
mysql> drop database sql wzlord;
Query OK, 1 row affected (0.04 sec)
mysql> drop database sql nwler;
Query OK, 0 rows affected (0.01 sec)
mysql> show databases;
Database
+----+
cscorner
| information schema |
| mysql
| performance_schema |
python batch
| sql batch
| sql_lazwer
| sql_mzster
sys
9 rows in set (0.01 sec)
mysql> select * from python_batch1;
+----+
s n | name | address
                          l doa
                                       | number | email id
   1 | Priyanka | Kondhwa | 2021-05-20
                                           456 | NULL
                pimpri
                                           556 | NULL
   2 | Priya
                          2021-06-20
                          2021-07-20
                                           956
| 7 | sanjana
                nasik
sanjanapatil@gmail.com |
    5 | vaibhav | nasik
                          2021-07-20
                                           952
vaibhavpatil@gmail.com |
   13 | harshal | jalana
                          2011-08-10
                                           662 | NULL
   17 | bhushan
                pune
                          2018-08-10
                                           762 | NULL
                | mumbai | 2020-09-10 |
                                          1022 | NULL
   23 perna
```

```
523 | NULL
  15 | namay
  27 om
              | raver | 2015-08-10
                                      583 | NULL
                                     1083 | NULL
  37 | mayur
              goa | 2017-11-10
  71 mohan
              nagpur
                       2013-11-10
                                      183 | NULL
             | banglore | 2021-05-2020 |
                                      100 | NULL
  200 | tanushka
                                      500 | NULL
  150 | tanisha
              indoor
                       | 2021-07-2020 |
              osmanbad | 2191-07-10
                                      476 | NULL
  120 | vinav
                                  950 | amar
              sangli
                       202-07-30
                                      981 | NULL
                                      981 | NULL
  950 | amar
             90 | rakesh
              666 | NULL
  70 | vaishnavi | thane | 2019-09-12
                                      686 | NULL
 40 | ritu
              | beed | 2021-08-10
                                      498 | NULL
  577 | rakul
              | bomaby | 2021-09-11
                                  421 | NULL
                                  | 42 | NULL
| 1007 | chetana
             jalgaon
                      2021-12-11
                                  | 414 | NULL
  107 | vaibhavi | latur | 2021-07-11
  187 | shekhar | nandurbar | 2021-10-17
                                      812 | NULL
                                  2021-10-08
  188 | atish
              pune
                                      485 l
atishagrwal@gmail.com
24 rows in set (0.00 sec)
mysql> truncate table python_batch1;
Query OK, 0 rows affected (0.05 sec)
mysql> select * from python_batch1;
Empty set (0.01 sec)
```

mysql> show tables;

select customer.cust_name, customer.city, salesperson.name,
salesperson.city as salesperson_city from customer inner join salesperson
on
salesperson.salesman_id = customer.salesman_id;

###

Inner Join

###

mysql> desc customer;

Field	Туре	+ Null	Key	Default	+ Extra
customer_id cust_name city grade salesman_id	int varchar(255) varchar(255) int int	YES YES YES YES YES		NULL NULL NULL NULL NULL	

5 rows in set (0.02 sec)

mysql> select * from customer;

3001 Brad London 100 5005 3002 Nick New York 100 5001 3003 Jozy Mascow 200 5007 3004 Fabian Paris 300 5006 3005 Graham Califoria 200 5002 3007 Brad New York 200 5001 3008 Julian London 300 5002 3009 Jeff Berlin 100 5003	customer_id	cust_name	city	+ grade	++ salesman_id
	3002	Nick	New York	100	5001
	3003	Jozy	Mascow	200	5007
	3004	Fabian	Paris	300	5006
	3005	Graham	Califoria	200	5002
	3007	Brad	New York	200	5001
	3008	Julian	London	300	5002

8 rows in set (0.00 sec)

mysql> select * from salesperson;

salesman_id	name	city	commission
	Neil	New York Paris	10 13

5003	Lyon	London	11
5004	Luasen	Paris	17
5005	Niki	Califoria	15
+		+	++

mysql> select customer.cust_name, customer.city as customer_city,
salesperson.name as salesman_name, salesperson.city as salesman_city from
customer inner join salesperson on salesperson.salesman_id =
customer.salesman id;

cust_name	customer_city	salesman_name	salesman_city
Brad	London	Niki	Califoria
Nick	New York	Neil	New York
Graham	Califoria	Pit	Paris
Brad	New York	Neil	New York
Julian	London	Pit	Paris
Jeff	Berlin	Lyon	London

6 rows in set (0.00 sec)

mysql> select * from salesperson;

salesman_id	+	+	++
	name	city	commission
	+	+	++
5001	Neil	New York	10
5002	Pit	Paris	13
5003	Lyon	London	11
5004	Luasen	Paris	17
5005	Niki	Califoria	15

5 rows in set (0.00 sec)

mysql> select * from customer;

+				+	
į	customer_id	cust_name	city	grade	salesman_id
Ĭ	3001	Brad	London	100	5005
1	3002	Nick	New York	100	5001
Ì	3003	Jozy	Mascow	200	5007
1	3004	Fabian	Paris	300	5006
Ì	3005	Graham	Califoria	200	5002
ĺ	3007	Brad	New York	200	5001
	3008	Julian	London	300	5002
ĺ	3009	Jeff	Berlin	100	5003

+-----+
8 rows in set (0.00 sec)

mysql> select customer.cust_name, customer.city as customer_city,
salesperson.name as salesman_name, salesperson.city as salesman_city from
customer inner join salesperson on salesperson.salesman_id =
customer.salesman id where customer.grade > 100;

•	•	 salesman_name 	
Brad	New York	Neil	New York
Julian	London	Pit	Paris
Graham	Califoria	Pit	Paris

3 rows in set (0.00 sec)

mysql> select customer.cust_name, customer.city as customer_city,
salesperson.name as salesman_name, salesperson.city as salesman_city from
customer inner join salesperson on salesperson.salesman_id =
customer.salesman_id where salesperson.commission > 12;

•	+ customer_city +	•	
Brad	London	Niki	Califoria
Graham	Califoria	Pit	Paris
Julian	London	Pit	Paris

3 rows in set (0.00 sec)

mysql> select * from orders;

+				++
order_no	purch_amt	order_date	customer_id	salesman_id
+				F -
70001	150	2020-10-05	3005	5002
70009	270	2020-09-10	3001	5005
70002	66	2020-10-05	3002	5001
70004	111	2020-08-17	3009	5003
70007	950	2020-09-10	3005	5002
70005	2400	2020-07-27	3007	5001
70008	5760	2020-09-10	3002	5001
70010	1990	2020-10-10	3004	5006
70003	2500	2020-10-10	3009	5003
70012	250	2020-06-27	3008	5002
70011	76	2020-08-17	3003	5007
70013	3045	2020-04-25	3002	5001
70014	1800	2020-07-25	3010	5007

+-----+
13 rows in set (0.00 sec)

mysql> select * from salesperson;

	L	L	L _
salesman_id	name	city	commission
5001 5002 5003 5004 5005	Neil Pit Lyon Luasen Niki	New York Paris London Paris Califoria	10 13 11 17 15
1	1	1	

5 rows in set (0.00 sec)

mysql> select salesperson.name as salesman_name, salesperson.city as
salesman_city, orders.order_no from salesperson inner join orders on
orders.salesman_id = salesperson.salesman_id where orders.purch_amt > 200;

_	L	L .
salesman_name	salesman_city	order_no
Neil	New York	70013
Neil	New York	70008
INCII	I NEW TOLK	70000
Neil	New York	70005
Pit	Paris	70012
Pit	Paris	70007
Lyon	London	70003
Niki	Califoria	70009
+		
•	•	

7 rows in set (0.00 sec)

mysql> select salesperson.name as salesman_name, salesperson.city as
salesman_city, orders.order_no from salesperson inner join orders on
orders.salesman_id = salesperson.salesman_id where orders.purch_amt > 200
and salesperson.commission > 12;

+	++	
salesman_name	salesman_city	order_no
Niki Pit Pit	Califoria Paris Paris	70009 70007 70012
<u>.</u>	L	

3 rows in set (0.00 sec)

mysql>

##

select customer.cust_name, salesperson.name as salesman_name,
orders.order_no from customer inner join salesperson on
salesperson.salesman_id = customer.salesman_id inner join orders on
customer.salesman id = orders.salesman id;

+		++
cust_name	salesman_name	order_no
Julian	Pit	
Graham	Pit	70001
Brad	Niki	70009
Brad	Neil	70002
Nick	Neil	70002
Jeff	Lyon	70004
Julian	Pit	70007
Graham	Pit	70007
Brad	Neil	70005
Nick	Neil	70005
Brad	Neil	70008
Nick	Neil	70008
Jeff	Lyon	70003
Julian	Pit	70012
Graham	Pit	70012
Brad	Neil	70013
Nick	Neil	70013
	.	

17 rows in set (0.00 sec)

select customer.cust_name, salesperson.city, orders.order_no from customer
inner join salesperson on salesperson.salesman_id = customer.salesman_id
inner join orders on salesperson.salesman_id = orders.salesman_id where
orders.purch_amt > 450;

	L	L L L L
cust_name	city	order_no
Nick	New York	70005
Nick	New York	70008
Nick	New York	70013
Graham	Paris	70007
Brad	New York	70005
Brad	New York	70008

Brad	New York	70013
Julian	Paris	70007
Jeff	London	70003
+	+	+
9 rows in sa	+ (0 00 500)	١

LEFT JOIN & RIGHT JOIN WITH SUBQUER Y

link:-

https://www.w3resource.com/sql-exercises/sql-subqueries-exercises.php

DEFINATION OF INNER JOIN: - COMMON DATA IN WHICH DATASET WILL MATCHING THEN BE RETURN .

DEFINATION OF LEFT JOIN:- IF WE SPECIFIED IN RETURN COLUMN NAME OF LEFT SIDE TABLE THESE ARE RETURN, BUT RIGHT SIDE TABLE DATA TRY TO MATCHING LEFT SIDE TABLE DATA IF THESE MATCH BE RETURN OTHERWISE NULL VALUES FETCHES.

DEFINATION OF RIGHT JOIN: - IF WE SPECIFIED IN RETURN COLUMN NAME OF RIGHT SIDE TABLE THESE ARE RETURN, BUT LEFT SIDE TABLE DATA TRY TO MATCHING RIGHT SIDE TABLE DATA IF THESE MATCH BE RETURN OTHERWISE NULL VALUES FETCHES.

01

select emp id, salary from employee where emp id 163; sub query:

> emp id salary 163 xyz

final(left) select employee.first name, employee.last name from employee left join (select emp id, salary from employee where emp id 163)

a on employee.emp_id = a.emp_id where employee.salary > a.salary;

> first name last name

select employee.first_name, employee.last name from (select emp id, salary from employee where emp id 163) right join employee

a on employee.emp_id = a.emp_id where employee.salary >
a.salary;

Q2

sub query: select emp_id, designation from employee where emp_id = 163

emp id designation

163 xyz

final right: select employee.first_name,employee.last_name,
employee.department_ID,employee.job_ID from (select emp_id from employee
where

emp_id = 163) a right join employee on employee.emp_id =
a.emp_id where a.designation = employee.designation;

from employee where emp_id = 163) a on employee.emp_id =
a.emp_id where a.designation = employee.designation;

first_name last_name department_id job_id

select employees.F_nme, employees.L_nme from employees
left join (select employee_id, Salary from employees where employee_id =
163)

a on employees.employee_id=a.employee_id where
employees.Salary > a.Salary;

select employees.F_nme, employees.L_nme, employees.Salary,
employees.job_id, employees.Department_id from workers right join
employees on workers.employee_id= employees.employee_id where

employees.job_id='St-Clerk';

	F_nme	L_nme	Salary	job_id	Department_id
Mozhe Atkinson 25000 St-Clerk 56 Tj Olson 37000 St-Clerk 56 Jason Mallin 22000 St-Clerk 4 Micheil Rogers 21000 St-Clerk 4 Lauraa Bissot 29000 St-Clerk 5 Steven Marvel 20000 St-Clerk 5	James Mozhe Tj Jason Micheil Lauraa Steven	Landry Atkinson Olson Mallin Rogers Bissot Marvel	26000 25000 37000 22000 21000 29000 20000	St-Clerk St-Clerk St-Clerk St-Clerk St-Clerk St-CLerk St-CLerk	50 50 50 50 48 49 51 52

select employees.F_nme, employees.L_nme from employees left join workers on employees.employee_id=workers.employee_id where employees.Salary>9500;

+	
F_nme	L_nme
+	+
Steven	King
Neena	Kochhar
Lex	De Haan
Nancy	Greenberg
Irene	Mikkilineni
James	Landry
Mozhe	Atkinson
Tj	01son
Jason	Mallin
Micheil	Rogers
Lauraa	Bissot
Steven	Marvel
Jullia	Nayer
+	+

13 rows in set (0.00 sec)

mysql>

LEFT OUTER JOIN AND RIGHT OUTER JOIN

mysql> show databases;

mysql> use innerjoin;
Database changed
mysql> show tables;

+	
Tables_in_inn	erjoin
businessman customer employees orders salesperson workers	
+	

6 rows in set (0.00 sec)

mysql> select * from customer;

_			, L	L	L	L
	customer_id	cust_name	city	grade	salesman_id	
i	3001	Brad	London	100	5005	
	3002	Nick	New York	100	5001	
ĺ	3003	Jozy	Mascow	200	5007	
ĺ	3004	Fabian	Paris	300	5006	
ĺ	3005	Graham	Califoria	200	5002	
ĺ	3007	Brad	New York	200	5001	
ĺ	3008	Julian	London	300	5002	
ĺ	3009	Jeff	Berlin	100	5003	
+	+			+	·	F

8 rows in set (0.00 sec)

mysql> select * from salesperson;

+		+	++
salesman_id	name	city	commission
+		+	++
5001	Neil	New York	10
5002	Pit	Paris	13
5003	Lyon	London	11
5004	Luasen	Paris	17
5005	Niki	Califoria	15
+	+	+	++

mysql> select * from orders;

4					
į	order_no	purch_amt	order_date	customer_id	salesman_id
Ī	70001	150	2020-10-05	3005	5002
İ	70009	270	2020-09-10	3001	5005
ĺ	70002	66	2020-10-05	3002	5001
ĺ	70004	111	2020-08-17	3009	5003
ĺ	70007	950	2020-09-10	3005	5002
	70005	2400	2020-07-27	3007	5001
	70008	5760	2020-09-10	3002	5001
	70010	1990	2020-10-10	3004	5006
	70003	2500	2020-10-10	3009	5003
	70012	250	2020-06-27	3008	5002
	70011	76	2020-08-17	3003	5007
	70013	3045	2020-04-25	3002	5001
	70014	1800	2020-07-25	3010	5007
4			+		

13 rows in set (0.00 sec)

mysql> select salesperson.salesman_id, salesperson.name, salesperson.city,
customer.cust_name, customer.city, orders.order_no, orders.purch_amt,
orders.order_date from salesperson left outer join customer on
salesperson.salesman_id=customer.salesman_id left outer join orders on
customer.salesman_id=orders.salesman_id where orders.purch_amt > 2000 and
customer.grade IS NOT NULL;

```
2400 | 2020-07-27 |
       5001 | Neil | New York | Nick | New York | 70008 |
5760 | 2020-09-10 |
       5001 | Neil | New York | Nick | New York |
                                               70013
3045 | 2020-04-25 |
       5001 | Neil | New York | Brad | New York | 70005 |
2400 | 2020-07-27 |
                                  | New York | 70008 |
       5001 | Neil | New York | Brad
5760 | 2020-09-10 |
       5001 | Neil | New York | Brad | New York |
                                               70013
3045 | 2020-04-25 |
       5003 | Lyon | London | Jeff | Berlin |
                                               70003 l
2500 | 2020-10-10 |
+-----
---+----+
```

mysql> select * from orders;

+ order_no	+ purch_amt	+ order_date	customer_id	+ salesman_id
70001	150	2020-10-05	3005	5002
70009	270	2020-09-10	3001	5005
70002	66	2020-10-05	3002	5001
70004	111	2020-08-17	3009	5003
70007	950	2020-09-10	3005	5002
70005	2400	2020-07-27	3007	5001
70008	5760	2020-09-10	3002	5001
70010	1990	2020-10-10	3004	5006
70003	2500	2020-10-10	3009	5003
70012	250	2020-06-27	3008	5002
70011	76	2020-08-17	3003	5007
70013	3045	2020-04-25	3002	5001
70014	1800	2020-07-25	3010	5007
+	+	+	<u> </u>	+

13 rows in set (0.00 sec)

mysql> select * from salesperson;

salesman_id	+	+	
	name	city	commission
	+	+	
5001	Neil	New York	10
5002	Pit	Paris	13
5003	Lyon	London	11
5004	Luasen	Paris	17
5005	Niki	Califoria	15

+----+

5 rows in set (0.00 sec)

mysql> select * from customer;

4					
	customer_id	cust_name	city	grade	salesman_id
1	3001 3002 3003 3004 3005 3007 3008 3009	Brad Nick Jozy Fabian Graham Brad Julian Jeff	London New York Mascow Paris Califoria New York London Berlin	100 100 200 300 200 200 300	5005 5001 5007 5006 5002 5001 5003
Н			<u></u>	+	+

8 rows in set (0.00 sec)

mysql> select customer.cust_name, customer.city, orders.order_no as
order_number, orders.purch_amt as order_amt, orders.order_date,
salesperson.name, salesperson.commission from customer left outer join
orders on customer.salesman_id=orders.salesman_id left outer join
salesperson on customer.salesman_id=salesperson.salesman_id;

order number | order amt | order date | name | cust name | city commission | ----+ London 270 | 2020-09-10 | Niki | Brad 70009 15 l 70013 3045 | 2020-04-25 | Neil | Nick New York 10 | New York 70008 5760 | 2020-09-10 | Neil | Nick 10 l 70005 2400 | 2020-07-27 | Neil | Nick New York 10 | New York 70002 66 | 2020-10-05 | Neil | | Nick 10 | 70014 1800 | 2020-07-25 | NULL | Jozy Mascow NULL | 76 | 2020-08-17 | NULL | Jozy Mascow 70011 NULL | 70010 1990 | 2020-10-10 | NULL | | Fabian Paris NULL |

	Graham 13	Califoria	1	70012	250	2020-06-27	Pit	
	Graham 13	Califoria	1	70007	950	2020-09-10	Pit	
	Graham 13	Califoria	1	70001	150	2020-10-05	Pit	
	Brad 10	New York	1	70013	3045	2020-04-25	Neil	
	Brad 10	New York	1	70008	5760	2020-09-10	Neil	
	Brad 10	New York	1	70005	2400	2020-07-27	Neil	
	Brad 10	New York	1	70002	66	2020-10-05	Neil	
	Julian 13	London	1	70012	250	2020-06-27	Pit	
	Julian 13	London	1	70007	950	2020-09-10	Pit	
	Julian 13	London	1	70001	150	2020-10-05	Pit	
	Jeff	Berlin	1	70003	2500	2020-10-10	Lyon	
	11 Jeff 11	Berlin	1	70004	111	2020-08-17	Lyon	I
+-	· +	+	+		+-	+		+

mysql> select * from orders;

+					-
	order_no	purch_amt	order_date	customer_id	salesman_id
	70001	150	2020-10-05	3005	5002
- 1	70009	270	2020-09-10	3001	5005
ĺ	70002	66	2020-10-05	3002	5001
ĺ	70004	111	2020-08-17	3009	5003
ĺ	70007	950	2020-09-10	3005	5002
ĺ	70005	2400	2020-07-27	3007	5001
ĺ	70008	5760	2020-09-10	3002	5001
ĺ	70010	1990	2020-10-10	3004	5006
ĺ	70003	2500	2020-10-10	3009	5003
ĺ	70012	250	2020-06-27	3008	5002
ĺ	70011	76	2020-08-17	3003	5007
j	70013	3045	2020-04-25	3002	5001

	70014	180	90	2020-07-25	3010	5007
+		+	+-		+	++
13	rows in	set (0.00	sec))		

mysql> select * from customer;

3001 Brad London 100 5005 3002 Nick New York 100 5001 3003 Jozy Mascow 200 5007 3004 Fabian Paris 300 5006 3005 Graham Califoria 200 5002 3007 Brad New York 200 5001 3008 Julian London 300 5002 3009 Jeff Berlin 100 5003	customer_id	+ cust_name	+ city	+ grade	++ salesman_id
	3002	Nick	New York	100	5001
	3003	Jozy	Mascow	200	5007
	3004	Fabian	Paris	300	5006
	3005	Graham	Califoria	200	5002
	3007	Brad	New York	200	5001
	3008	Julian	London	300	5002

8 rows in set (0.00 sec)

mysql> select * from saleperson;

ERROR 1146 (42S02): Table 'innerjoin.saleperson' doesn't exist mysql> select * from salesperson;

4				L	L
	salesman_id	name	city	commission	
1	5001 5002 5003 5004 5005	Neil Pit Lyon Luasen Niki	New York Paris London Paris Califoria	10 13 11 17 15	-
					4

5 rows in set (0.00 sec)

mysql> select orders.order_no, orders.purch_amt, orders.order_date,
customer.cust_name, customer.grade, salesperson.name as salesman_name,
salesperson.commission from orders right outer join customer on
orders.salesman_id=customer.salesman_id left outer join salesperson on
orders.salesman id=salesperson.salesman id;

+-----+
| order_no | purch_amt | order_date | cust_name | grade | salesman_name |
commission |
+-----+
| 70009 | 270 | 2020-09-10 | Brad | 100 | Niki |

	70013 10	3045 202	0-04-25	Nick		100 Neil	
1	70008	5760 202	0-09-10	Nick	I	100 Neil	1
1	10 70005	2400 202	0-07-27	Nick	I	100 Neil	1
I	10 70002	66 202	0-10-05	Nick	I	100 Neil	1
I	10 70014	1800 202	0-07-25	Jozy	I	200 NULL	1
I	NULL 70011	76 202	0-08-17	Jozy	I	200 NULL	1
I	NULL 70010	1990 202	0-10-10	Fabian	I	300 NULL	1
I	NULL 70012	250 202	0-06-27	Graham	I	200 Pit	1
I	13 70007	950 202	0-09-10	Graham	I	200 Pit	1
1	13 70001	150 202	0-10-05	Graham	I	200 Pit	1
1	13 70013 10	3045 202	0-04-25	Brad	I	200 Neil	1
1	70008 10	5760 202	0-09-10	Brad	1	200 Neil	I
I	70005 10	2400 202	0-07-27	Brad	1	200 Neil	I
I	70002 10	66 202	0-10-05	Brad	I	200 Neil	1
1	70012 13	250 202	0-06-27	Julian	I	300 Pit	1
1	•	950 202	0-09-10	Julian	I	300 Pit	1
1	70001 13	150 202	0-10-05	Julian	I	300 Pit	1
1	•	2500 202	0-10-10	Jeff	I	100 Lyon	1
	•	111 202	0-08-17	Jeff	I	100 Lyon	
+			+		+	+	-+

----+

20 rows in set (0.00 sec)

mysql>

```
###
30/Oct/2021###
                                                          ### Scripti
ng ###
@@@ Notepad mein note krna !!
create database new hyper;
use new hyper;
create table s1 (date int(10), val int(10));
insert into s1 values(40,67);
insert into s1 values(27,72);
@@@ File Explorer mein kisi bhi drive mein notepad ka data store krna!!
@@@ use Command Promt
Microsoft Windows [Version 10.0.19042.1237]
(c) Microsoft Corporation. All rights reserved.
C:\Users\acer>mysql -u root -p@pride#tech78 <E:\hyper.sql</pre>
                      -u=User , -p=Password, location=file explorer mein
jo store krtey hai uska path dena pdta!!
C:\Users\acer>
Enter password: *********
Welcome to the MySQL monitor. Commands end with; or \g.
Your MySQL connection id is 21
Server version: 8.0.26 MySQL Community Server - GPL
Copyright (c) 2000, 2021, 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
+-----+
| electrical_batch
hyperxsoft
| information schema |
innerjoin
| mysql
new hyper
performance schema
| phon
pridetech
python batch
| sql mzster
sys
+-----+
12 rows in set (0.00 sec)
mysql> use new_hyper;
Database changed
mysql> show tables;
+----+
| Tables_in_new_hyper |
| s1
+----+
1 row in set (0.01 sec)
mysql> select * from s1;
+----+
| date | val |
   40
         67 l
   27 | 72 |
+----+
```

2 rows in set (0.00 sec)

owners.

Import AND Export datase t file ### @ CMD # 1) Import:-Microsoft Windows [Version 10.0.19042.1237] (c) Microsoft Corporation. All rights reserved. C:\Users\acer>mysqldump -u root -p smart s7 >E:\tanu\s7.sql Enter password: ******** C:\Users\acer> @CMD # 2) Export :-C:\Users\acer>mysql -u root -p@pride#tech78 smart <Downloads.sql</pre> mysql: [Warning] Using a password on the command line interface can be insecure. C:\Users\acer>mysql -u root -p Enter password: ********** Welcome to the MySQL monitor. Commands end with ; or \g. Your MySQL connection id is 21 Server version: 8.0.26 MySQL Community Server - GPL Copyright (c) 2000, 2021, 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

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

statement.

mysql> use smart; show tables; select * from s7;

31/Oct/2021####

AUTO INCREMENT & AUTO

UPDATE ###

Enter password: **********

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

Your MySQL connection id is 43

Server version: 8.0.26 MySQL Community Server - GPL

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

mysql> show databases;

```
+----+
Database
+----+
| electrical batch
hyperxsoft
| information schema
| innerjoin
| mobile
mysql
 new_hyper
patil
 performance schema
 phon
 pridetech
python batch
smart
| sql mzster
sys
| wooden
```

```
16 rows in set (0.01 sec)
mysql> use innerjoin;
Database changed
mysql> show tables;
+----+
| Tables in innerjoin |
+----+
businessman
lcustomer
employees
orders
salesperson
workers
+----+
6 rows in set (0.01 sec)
mysql> create table auto (id int(10) NOT NULL AUTO_INCREMENT, Date
TIMESTAMP NOT NULL DEFAULT CURRENT TIMESTAMP ON UPDATE CURRENT TIMESTAMP,
name varchar(255), primary key(id));
Query OK, 0 rows affected, 1 warning (0.05 sec)
mysql> desc auto;
-----+
+-----
-----+
on update CURRENT_TIMESTAMP
| name | varchar(255) | YES | | NULL
+-----+----+-----
3 rows in set (0.02 sec)
mysql> insert into auto (name) values ('vaibhav');
Query OK, 1 row affected (0.01 sec)
mysql> insert into auto (name) values ('piyush');
Query OK, 1 row affected (0.01 sec)
mysql> insert into auto (name) values ('harshada');
```

```
Query OK, 1 row affected (0.01 sec)
mysql> insert into auto (name) values ('sanjana');
Query OK, 1 row affected (0.01 sec)
mysql> select * from auto;
+---+
| id | Date | name
+---+
 1 | 2021-10-31 12:52:35 | vaibhav
2 | 2021-10-31 12:52:43 | piyush
3 | 2021-10-31 12:52:53 | harshada |
| 4 | 2021-10-31 12:53:00 | sanjana |
+---+
4 rows in set (0.00 sec)
mysql>
create table auto (id int(10) not null auto_increment, date timestamp not
null default current timestamp on update cirrent timestamp, name
varchar(255), primary key(id));
create trigger bill
after
insert
on bill
for each row
insert into bill2 (date) values('2021-11-06')
DELIMITER &&
CREATE PROCEDUERE get_count()
BEGIN
select count(*) from bill;
```

select count(*) ffrom bill2;

mysql> show databases;

T R I G G E R # #

```
Database
+-----+
| alpha
boot
| electrical_batch
hyperxsoft
information schema
innerjoin
 joker
mobile
mysql
 new_hyper
 performance_schema
phon
 pridetech
python_batch
smart
sql_mzster
sys
wooden
yup
yup1
20 rows in set (0.01 sec)
mysql> use innerjoin;
Database changed
mysql> show tables;
+----+
| Tables_in_innerjoin |
+----+
auto
| bill
businessman
customer
emp
| employees
```

final_bill	
intermediate	
orders	
pen	
salesperson	
tanu	
workers	
xera	
zoom	
1	

15 rows in set (0.01 sec)

mysql> select * from orders;

order_no	+ purch_amt	 order_date	customer_id	+ salesman_id
70001	150	2020-10-05	3005	5002
70009	270	2020-09-10	3001	5005
70002	66	2020-10-05	3002	5001
70004	111	2020-08-17	3009	5003
70007	950	2020-09-10	3005	5002
70005	2400	2020-07-27	3007	5001
70008	5760	2020-09-10	3002	5001
70010	1990	2020-10-10	3004	5006
70003	2500	2020-10-10	3009	5003
70012	250	2020-06-27	3008	5002
70011	76	2020-08-17	3003	5007
70013	3045	2020-04-25	3002	5001
70014	1800	2020-07-25	3010	5007
70015	4646	2020-08-23	3012	5004
70015	0	2021-10-8	30013	5008
+	+	+		+

15 rows in set (0.00 sec)

mysql> select * from customer;

+	+			+	+
	customer_id	cust_name	city	grade	salesman_id
Ĭ	3001	Brad	London	100	5005
	3002	Nick	New York	100	5001
	3003	Jozy	Mascow	200	5007
1	3004	Fabian	Paris	300	5006
ĺ	3005	Graham	Califoria	200	5002
	3007	Brad	New York	200	5001
	3008	Julian	London	300	5002
ĺ	3009	Jeff	Berlin	100	5003

+-----+ 8 rows in set (0.01 sec)

mysql> delimiter &&

mysql> CREATE TRIGGER TIG BEFORE INSERT ON customer FOR EACH ROW

- -> BEGIN
- -> IF NEW.grade<50 THEN SET NEW.grade=75;
- -> END IF;
- -> END &&

Query OK, 0 rows affected (0.02 sec)

mysql> &&
ERROR:

No query specified

mysql> SELECT * FROM CUSTOMER;

-> &&

+			+	
customer_id	cust_name	city	grade	salesman_id
3001	Brad	London	100	5005
3002	Nick	New York	100	5001
3003	Jozy	Mascow	200	5007
3004	Fabian	Paris	300	5006
3005	Graham	Califoria	200	5002
3007	Brad	New York	200	5001
3008	Julian	London	300	5002
3009	Jeff	Berlin	100	5003
+			+	·

8 rows in set (0.00 sec)

mysql> INSERT INTO CUSTOMER VALUES(3010, 'Jasmine', 'Singapore',50, 5007);
 -> &&

Query OK, 1 row affected (0.01 sec)

mysql> SELECT * FROM CUSTOMER;

-> &&

+	+		+	+	
į	customer_id	cust_name	city	grade	salesman_id
	3001 3002	Brad Nick	London New York	100 100	5005 5001
	3003	Jozy	Mascow	200	5007
ĺ	3004	Fabian	Paris	300	5006

3005	Graham	Califoria	200	5002
3007	Brad	New York	200	5001
3008	Julian	London	300	5002
3009	Jeff	Berlin	100	5003
3010	Jasmine	Singapore	50	5007

mysql> INSERT INTO CUSTOMER VALUES(3010, 'Jasmine', 'Singapore',40, 5007);
 -> &&
Query OK, 1 row affected (0.01 sec)

mysql> SELECT * FROM CUSTOMER;

,			
->	&&		
		_	_

+	+	+	+	
customer_id	cust_name	city	grade	salesman_id
+	+	+	+	
3001	Brad	London	100	5005
3002	Nick	New York	100	5001
3003	Jozy	Mascow	200	5007
3004	Fabian	Paris	300	5006
3005	Graham	Califoria	200	5002
3007	Brad	New York	200	5001
3008	Julian	London	300	5002
3009	Jeff	Berlin	100	5003
3010	Jasmine	Singapore	50	5007
3010	Jasmine	Singapore	75	5007
+	+	+	+	++

10 rows in set (0.00 sec)

mysql>

Billing Projects
Command on cmd:- pip install python