

```
27 • SELECT * FROM users LIMIT 10;
```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Fetch rows:

	identifierHash	type	country	language	socialNbFollowers	socialNbFollows	socialProductsLiked	productsListed	productsSold	produc
▶	-6580720000000000000	user	Etats-Unis	en	3	8	0	0	0	0
	-5958540000000000000	user	Etats-Unis	en	3	8	0	0	0	0
	-5341140000000000000	user	Etats-Unis	en	3	8	0	0	0	0
	-1607420000000000000	user	Etats-Unis	en	3	8	0	0	0	0
	-1314730000000000000	user	Italie	it	3	8	0	0	0	0
	7359430000000000000	user	Etats-Unis	en	3	8	0	0	0	0
	2705000000000000000	user	Etats-Unis	en	3	8	0	0	0	0

users 1

Output

Action Output

#	Time	Action	Message
✓ 18	15:24:33	DEALLOCATE PREPARE stmt	OK
✓ 19	15:25:55	SELECT * FROM users LIMIT 10	10 row(s) returned

```

28  #SELECT, WHERE, ORDER BY, GROUP BY
29  #Display TOTAL USERS from each country
30  • SELECT country, COUNT(*) AS total_users
31  FROM users
32  GROUP BY country
33  ORDER BY total_users DESC;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	country	total_users
▶	Etats-Unis	266
	France	108
	Italie	103
	Royaume-Uni	64
	Espagne	31
	Allemagne	21
	Canada	18
	Australie	16

Result 2 x

Output

Action Output

#	Time	Action	Message
✓ 19	15:25:55	SELECT * FROM users LIMIT 10	10 row(s) returned
✓ 20	15:37:26	SELECT country, COUNT(*) AS total_users FROM users GROUP BY country ORDER BY tot...	43 row(s) returned

```
34 #Show all users with more than 100 followers (WHERE + ORDER BY)
35 • SELECT identifierHash, socialNbFollowers
36 FROM users
37 WHERE socialNbFollowers > 100
38 ORDER BY socialNbFollowers DESC;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)

	identifierHash	socialNbFollowers
▶	3718190000000000000	744
	2119850000000000000	353
	-9221800000000000000	176
	-6743760000000000000	172
	2347570000000000000	167
	-5175830000000000000	167
	-1097900000000000000	147
	6870940000000000000	137

users 3 x

Output

Action Output

	#	Time	Action	Message
✓	20	15:37:26	SELECT country, COUNT(*) AS total_users FROM users GROUP BY country ORDER BY tot...	43 row(s) returned
✓	21	15:42:50	SELECT identifierHash, socialNbFollowers FROM users WHERE socialNbFollowers > 100 O...	18 row(s) returned

```

41 #Subqueries
42 #Find users who sold above average number of products
43 • SELECT identifierHash, productsSold
44 FROM users
45 WHERE productsSold > (
46     SELECT AVG(productsSold) FROM users
47 );


```

Result Grid   Filter Rows: | Export:  | Wrap Cell Content: 

	identifierHash	productsSold
▶	-1097900000000000000	174
	2347570000000000000	170
	6870940000000000000	163
	-4640270000000000000	152
	-5175830000000000000	125
	7631790000000000000	123
	6743610000000000000	108
	2550980000000000000	106

users 5 ×

Output

 Action Output

#	Time	Action	Message
✓ 1	15:52:26	SELECT identifierHash, productsSold FROM users WHERE productsSold > (SELECT AVG(...	227 row(s) returned


```
49 #Aggregate Functions(SUM,AVG)
50 #Average followers per gender
51 • SELECT gender, AVG(socialNbFollowers) AS avg_followers
52 FROM users
53 GROUP BY gender;
```

Result Grid   Filter Rows: Export:  Wrap Cell Content: 

	gender	avg_followers
▶	F	16.6887
	M	15.2403

Result 6 x

Output

 Action Output ▼

	#	Time	Action	Message
✓	1	15:52:26	SELECT identifierHash, productsSold FROM users WHERE productsSold > (SELECT AVG(...	227 row(s) returned
✓	2	15:54:21	SELECT gender, AVG(socialNbFollowers) AS avg_followers FROM users GROUP BY gender ...	2 row(s) returned

```
54      #Total products sold by users from the US
55      • SELECT SUM(productsSold) AS total_sold_us
56      FROM users
57      WHERE countryCode = 'us';
```

Result Grid

 Filter Rows:

Export: 

Wrap Cell Content: 


	total_sold_us
▶	715

Result 7

ⓧ

!

Output





 Action Output

	#	Time	Action	Message
✓	2	15:54:21	SELECT gender, AVG(socialNbFollowers) AS avg_followers FROM users GROUP BY gende...	2 row(s) returned
✓	3	15:56:33	SELECT SUM(productsSold) AS total_sold_us FROM users WHERE countryCode = 'us' LIM...	1 row(s) returned


```

59 #Create views for analysis
60 #Create a view for active users (last login ≤ 15 days)
61 • CREATE VIEW active_users AS
62 SELECT identifierHash, daysSinceLastLogin, productsSold
63 FROM users
64 WHERE daysSinceLastLogin ≤ 15;
65 • SELECT * FROM active_users;


```

Result Grid   Filter Rows: | Export:  | Wrap Cell Content: 

	identifierHash	daysSinceLastLogin	productsSold
▶	21189100000000000000	11	0
	-10979000000000000000	11	174
	23475700000000000000	12	170
	68709400000000000000	11	163
	-46402700000000000000	12	152
	76317900000000000000	11	123
	67436100000000000000	11	108
	25509800000000000000	11	106

active_users 8 x 

Output

 Action Output ▼

#	Time	Action	Message
✓ 4	15:57:51	CREATE VIEW active_users AS SELECT identifierHash, daysSinceLastLogin, productsSold ...	0 row(s) affected
✓ 5	15:58:12	SELECT * FROM active_users LIMIT 0, 1000	212 row(s) returned

```

71  #Users who listed more than 50 products
72  •  SELECT identifierHash, productsListed
73  FROM users
74  WHERE productsListed > 50;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	identifierHash	productsListed
▶	-4640270000000000000	122
	3908240000000000000	123
	-6042840000000000000	63
	8027800000000000000	185
	-1009320000000000000	117
	8741450000000000000	54
	8317890000000000000	217
	5145880000000000000	244

users 10 x

Output

Action Output ▼

#	Time	Action	Message
✓ 7	16:01:54	SELECT identifierHash, productsListed FROM users WHERE productsListed > 50 LIMIT 0, 1...	25 row(s) returned
✓ 8	16:03:46	SELECT identifierHash, productsListed FROM users WHERE productsListed > 50 LIMIT 0, 1...	25 row(s) returned


```

75  #Gender-wise product buying trend
76  •  SELECT gender, SUM(productsBought) AS total_bought
77  FROM users
78  GROUP BY gender;

```

Result Grid | | Filter Rows: | Export: | Wrap Cell Content:

	gender	total_bought
▶	F	1222
	M	400

Result 11 x

Output

Action Output

	#	Time	Action	Message
✓	8	16:03:46	SELECT identifierHash, productsListed FROM users WHERE productsListed > 50 LIMIT 0, 1...	25 row(s) returned
✓	9	16:04:45	SELECT gender, SUM(productsBought) AS total_bought FROM users GROUP BY gender LI...	2 row(s) returned

```
mysql> show databases;
```

Database
information_schema
mysql
nithya
nithyadb
performance_schema
sys

```
6 rows in set (0.00 sec)
```

```
mysql> use nithyadb;
```

```
Database changed
```

```
mysql> desc emp;
```

Field	Type	Null	Key	Default	Extra
ename	varchar(15)	YES		NULL	
ecity	varchar(10)	YES		NULL	
salary	int	YES		NULL	
eno	int	NO	PRI	NULL	
eaddress	varchar(15)	YES		NULL	
deptname	varchar(10)	YES		NULL	

```
6 rows in set (0.00 sec)
```

```
mysql> insert into emp values ("Madhuri","Mysore",18000,17,"Palace Road", "Finance");
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into emp values ("Gowthami","Kolar",48000,19,"Kotilinga","Designer");
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into emp values ("Bhavana","Bangalore",50000,14,"Banawadi","IT");
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into emp values ("Kruthi", "KRPuram",24000,16,"Bangalore","Analyst");
Query OK, 1 row affected (0.28 sec)
```

```
mysql> insert into emp values ("Nandhu","Kanakapura",22000,20,"Hassan","Engg");
Query OK, 1 row affected (0.23 sec)
```

```
mysql> select * from emp;
```

ename	ecity	salary	eno	eaddress	deptname
Bhavana	Bangalore	50000	14	Banawadi	IT
Kruthi	KRPuram	24000	16	Bangalore	Analyst
Madhuri	Mysore	18000	17	Palace Road	Finance
Gowthami	Kolar	48000	19	Kotilinga	Designer
Nandhu	Kanakapura	22000	20	Hassan	Engg

```
5 rows in set (0.00 sec)
```

```
mysql> create table company (ename varchar(15)not null, ecity varchar(10), empno int primary key);
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> insert into company values ("Infosys","Mandya",29);
Query OK, 1 row affected (0.23 sec)
```

```
mysql> insert into company values ("Puma","Bangalore",25);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into company values ("Nike","Mysore",26);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into company values ("Adidas","Kolar",27);
Query OK, 1 row affected (0.28 sec)
```

```
mysql> insert into company values ("Accenture","Jaipur",22);
Query OK, 1 row affected (0.05 sec)
```

```
mysql> select * from company;
```

ename	ecity	empno
Accenture	Jaipur	22
Puma	Bangalore	25
Nike	Mysore	26
Adidas	Kolar	27
Infosys	Mandya	29

```
5 rows in set (0.00 sec)
```

```
mysql> select * from emp cross join company;
```

ename	ecity	salary	eno	eaddress	deptname	ename	ecity	empno
Nandhu	Kanakapura	22000	20	Hassan	Engg	Accenture	Jaipur	22
Gowthami	Kolar	48000	19	Kotilinga	Designer	Accenture	Jaipur	22
Madhuri	Mysore	18000	17	Palace Road	Finance	Accenture	Jaipur	22
Kruthi	KRPuram	24000	16	Bangalore	Analyst	Accenture	Jaipur	22
Bhavana	Bangalore	50000	14	Banaswadi	IT	Accenture	Jaipur	22
Nandhu	Kanakapura	22000	20	Hassan	Engg	Puma	Bangalore	25
Gowthami	Kolar	48000	19	Kotilinga	Designer	Puma	Bangalore	25
Madhuri	Mysore	18000	17	Palace Road	Finance	Puma	Bangalore	25
Kruthi	KRPuram	24000	16	Bangalore	Analyst	Puma	Bangalore	25
Bhavana	Bangalore	50000	14	Banaswadi	IT	Puma	Bangalore	25
Nandhu	Kanakapura	22000	20	Hassan	Engg	Nike	Mysore	26
Gowthami	Kolar	48000	19	Kotilinga	Designer	Nike	Mysore	26
Madhuri	Mysore	18000	17	Palace Road	Finance	Nike	Mysore	26
Kruthi	KRPuram	24000	16	Bangalore	Analyst	Nike	Mysore	26
Bhavana	Bangalore	50000	14	Banaswadi	IT	Nike	Mysore	26
Nandhu	Kanakapura	22000	20	Hassan	Engg	Adidas	Kolar	27
Gowthami	Kolar	48000	19	Kotilinga	Designer	Adidas	Kolar	27
Madhuri	Mysore	18000	17	Palace Road	Finance	Adidas	Kolar	27
Kruthi	KRPuram	24000	16	Bangalore	Analyst	Adidas	Kolar	27
Bhavana	Bangalore	50000	14	Banaswadi	IT	Adidas	Kolar	27
Nandhu	Kanakapura	22000	20	Hassan	Engg	Infosys	Mandya	29
Gowthami	Kolar	48000	19	Kotilinga	Designer	Infosys	Mandya	29
Madhuri	Mysore	18000	17	Palace Road	Finance	Infosys	Mandya	29
Kruthi	KRPuram	24000	16	Bangalore	Analyst	Infosys	Mandya	29
Bhavana	Bangalore	50000	14	Banaswadi	IT	Infosys	Mandya	29

```
25 rows in set (0.00 sec)
```



```
mysql> select * from emp left outer join company on emp.eno = company.empno;
```

ename	ecity	salary	eno	eaddress	deptname	ename	ecity	empno
Bhavana	Bangalore	50000	14	Banaswadi	IT	NULL	NULL	NULL
Kruthi	KRPuram	24000	16	Bangalore	Analyst	NULL	NULL	NULL
Madhuri	Mysore	18000	17	Palace Road	Finance	NULL	NULL	NULL
Gowthami	Kolar	48000	19	Kotilinga	Designer	NULL	NULL	NULL
Nandhu	Kanakapura	22000	20	Hassan	Engg	NULL	NULL	NULL

```
5 rows in set (0.00 sec)
```

```
mysql> select * from emp right outer join on emp.eno = company.empno;
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL version 5.7.26 at line 1

```
mysql> select * from emp right outer join company on emp.eno = company.empno;
```

ename	ecity	salary	eno	eaddress	deptname	ename	ecity	empno
NULL	NULL	NULL	NULL	NULL	NULL	Accenture	Jaipur	22
NULL	NULL	NULL	NULL	NULL	NULL	Puma	Bangalore	25
NULL	NULL	NULL	NULL	NULL	NULL	Nike	Mysore	26
NULL	NULL	NULL	NULL	NULL	NULL	Adidas	Kolar	27
NULL	NULL	NULL	NULL	NULL	NULL	Infosys	Mandya	29

```
5 rows in set (0.00 sec)
```

```
mysql> (select * from emp left outer join company on emp.eno = company.empno) union (select * from emp right outer join company on emp.eno = company.empno);
```

ename	ecity	salary	eno	eaddress	deptname	ename	ecity	empno
Bhavana	Bangalore	50000	14	Banaswadi	IT	NULL	NULL	NULL
Kruthi	KRPuram	24000	16	Bangalore	Analyst	NULL	NULL	NULL
Madhuri	Mysore	18000	17	Palace Road	Finance	NULL	NULL	NULL
Gowthami	Kolar	48000	19	Kotilinga	Designer	NULL	NULL	NULL
Nandhu	Kanakapura	22000	20	Hassan	Engg	NULL	NULL	NULL
NULL	NULL	NULL	NULL	NULL	NULL	Accenture	Jaipur	22
NULL	NULL	NULL	NULL	NULL	NULL	Puma	Bangalore	25
NULL	NULL	NULL	NULL	NULL	NULL	Nike	Mysore	26
NULL	NULL	NULL	NULL	NULL	NULL	Adidas	Kolar	27
NULL	NULL	NULL	NULL	NULL	NULL	Infosys	Mandya	29

```
10 rows in set (0.00 sec)
```