Limit to 1000 rows

```sql
select first_name,last_name,calculate_age (DOB) as age from persons_2;



-- find the lenth of each country name in the country_2 table
select country_name, length(country_name) as name_lenth from country_2;


-- extract the first 3 characters of ecah country name from the country table
select country_name,substring(country_name,1,3) as first_three_charcter from country_2;


-- convert all country name to uppercase and lowercase from country_2 table
select country_name,upper(country_name) as country_name_uppercase,lower(country_name) as country_name_lowercase f
```

lt Grid   Filter Rows: Export: Wrap Cell Content:

country_name	country_name_uppercase	country_name_lowercase
JSA	USA	usa
ndia	INDIA	india
rance	FRANCE	france
hina	CHINA	china
apan	JAPAN	japan
ustralia	AUSTRALIA	australia
ermany	GERMANY	germany
IK	UK	uk
razil	BRAZIL	brazil
Canada	CANADA	canada

Limit to 1000 rows

```
1 •     use gayathry;
2 •     select * from country_2;
3 •     select * from persons_2;
4       -- 1  find the number of persons in each country
5 •     select country_name,count(*) as number_of_persons from persons_2 group by Country_name;
6
7       2 find the number of persons in each country sorted from high to low
```

Result Grid   Filter Rows: Edit: Export/Import: Wrap Cell Content:

id	Country_name	Population	Area
1	USA	321000000	9865321.00
2	india	1380000000	3287263.00
3	France	67000000	551695.00
4	China	1439000000	9596961.00
5	japan	126300000	377975.00
6	Australia	25400000	7692024.00
7	Germany	83000000	357022.00
8	UK	67800000	243610.00
9	Brazil	212600000	8515767.00
10	Canada	37700000	9984670.00
NULL	NULL	NULL	NULL

Limit to 1000 rows

```
ect country_name,count(*) as number_of_persons from persons_2 group by Country_name;


2 find the number of persons in each country sorted from high to low
ect country_name,count(*) as number_of_persons from persons_2 group by Country_name order

3 find out an average rating for persons in respective countries if the average greater th
ct country name avg(nating) ac average nating from noncons 2 group by country nama having
```

Filter Rows: Export: | Wrap Cell Content: $\underline{I}A$

e	number_of_persons
	1
	1
	1
	1
	1
	1
	1
	1
	1
	1

class 8 functions*   my SQL Assignment 5 new*   SQL File 10*   MY SQL ASSIGNMENT 6 J   MY SQL ASSIGNMENT 7*

Limit to 1000 rows

```
ect country_name,count(*) as number_of_persons from persons_2 group by Country_name order by number_of_pe

3 find out an average rating for persons in respective countries if the average greater than 3
ect country_name,avg(rating) as average_rating from persons_2 group by country_name having avg(rating)>3;

4  find the countries with the same rating as the USA
ct Countey name from nersons 2 groun by country name having avg(rating)= (select avg (rating) from nersa
```
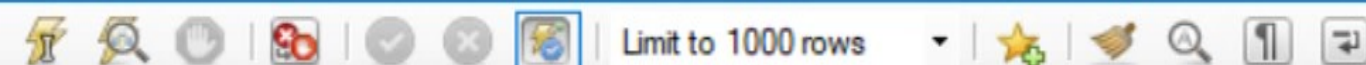
Filter Rows: Export: Wrap Cell Content:

ne	average_rating
	4.50000
	4.80000
	3.90000
	4.30000
	4.20000
	3.60000
	4.00000
	4.10000
	4.90000
	3.80000

Limit to 1000 rows

```
from persons_2 group by country_name having avg(rating)= (select avg (rating) from


ries whose population is greater than the average population of all nations
population from country_2 where population>(select avg(population) from country_2)
```

Export: | Wrap Cell Content:

abase   Server   Tools   Scripting   Help

nts class*   class 8 functions*   my SQL Assignment 5 new*   SQL File 10*   MY SQL ASSIGNMENT 6 J   MY SQL ASSIGNMENT 7*   class 9 sub queries   My SQL Assignment 8

Limit to 1000 rows

```sql
-- create a database named product ,create a tabloe called customer with the following fields in the product database

create database Product;
use Product;
create table Customer( customer_id int auto_increment primary key, First_name varchar(50) not null,
                       last_name varchar(50),address varchar(100),
                       phone_number varchar (15),
                       Email varchar(50),
                       city varchar(50),
                       state varchar(50),
                       zip_code varchar (10),
                       counrty varchar (100));
desc customer;
insert into customer (first_name,last_name,address,phone_number,email,city,state,zip_code,counrty) values
    ("Jhon","brito","30 Memorial Drive",8891663452,"jhn@gmail.com","delhi","UP","10001","india"),
    ("Karthy","Menon","777 Brockton Avenue","7989254613","kafgfgs@gmail.com","Santa Ana","California","50082","US"),
    ("joe","Kurian","250 Hartford Avenue","8891663421","johne@gmail.com","Seattle","washington","689542","US"),
    ("Sreeja","Menon","700 Oak Street","8897456220","ser@gmail.com","Mumbai","Maharashtra","235689","India"),
    ("Varun","Davan","591 Memorial Dr","6238500120","vadgs@gmail.com","Paris","lie_de_france","145780","France"),
    ("Surya","Kanth","55 Brooksby Village Way","8891663459","sukar@gmail.com","los Angeles","california","598625","US"),
    ("Manju","Rani","42 Fairhaven Commons","9562614623","manjhh@mail.com","Sydney","New South Wales","126598","Australa"),
    ("Seetha","Lakshmi","337 Russell St","6258987451","seethg@gmail.com","toronto","Ontario","125473","Canada"),
    ("Arjun","Sooraj","1775 Washington St","9965321478","arhuu@gmail.com","Landon","England","369874","UK"),
    ("Ajay","Avarachan","1 Jungle Road","6598741256","ajaylk@gmail.com","Cape Town","western cape","123568","south Africa"),
    ("Pavithra","Kanth","01 Massachusetts Ave","999652531","paha@gmail.com","Nevada","california","258963","US");
```

out

Action Output

#	Time	Action	Message
5	23:18:34	select Country_name,population from country_2 where population>(select avg(population) from country_2) LIMIT 0, 1...	2 row(s) returned
6	23:19:10	use Product	0 row(s) affected

Limit to 1000 rows

```
("Seetha","Lakshmi","337 Russell St","6258987451","seethg@gmail.com","toronto","Ontario","125473","C
("Arjun","Sooraj","1775 Washington St","9965321478","arhuu@gmail.com","Landon","England","369874","U
("Ajay","Avarachan","1 Jungle Road","6598741256","ajaylk@gmail.com","Cape Town","western cape","1235
("Pavithra","Kanth","01 Massachusetts Ave","999652531","paha@gmail.com","Nevada","california","25896
select * from customer;
```

Filter Rows: Edit: Export/Import: Wrap Cell Content:

er_id	First_name	last_name	address	phone_number	Email	city	state	zip_code
Jhon	brito	30 Memorial Drive	8891663452	jhn@gmail.com	delhi	UP	10001
Karthy	Menon	777 Brockton Avenue	9966332250	kafgfgs@gmail.com	Santa Ana	California	50082
joe	Kurian	250 Hartford Avenue	8891663421	johne@gmail.com	Seattle	washington	689542
Sreeja	Menon	700 Oak Street	8897456220	ser@gmail.com	Mumbai	Maharashtra	235689
Varun	Davan	591 Memorial Dr	6238500120	vadgs@gmail.com	Paris	lie_de_france	145780
Surya	Kanth	59 Brooksby Village Way	9966332250	sukar@gmail.com	los Angeles	california	598625
Manju	Rani	42 Fairhaven Commons	9562614623	manjhh@mail.com	Sydney	New South Wales	126598
Seetha	Lakshmi	337 Russell St	6258987451	seethg@gmail.com	toronto	Ontario	125473
Arjun	Sooraj	1775 Washington St	9965321478	arhuu@gmail.com	Landon	England	369874
Ajay	Avarachan	1 Jungle Road	6598741256	ajaylk@gmail.com	Cape Town	western cape	123568
Pavithra	Kanth	01 Massachusetts Ave	9966332250	paha@gmail.com	Nevada	california	258963
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Limit to 1000 rows

```
-- 1 create a view named customer_info for the customer table that displays cutomers full name and mail address .then perform the select operation for the cus
create view customer_info as select concat(first_name,"",Last_name) as ful_name,Email from customer;
select * from customer_info;


-- create a view names US_customers that displays customer who lived in US
create view US_Customers as select * from customer where counrty ="US";
```

Filter Rows: Export: Wrap Cell Content: A

	Email
	jhn@gmail.com
non	kafgfgs@gmail.com
	johne@gmail.com
non	ser@gmail.com
an	vadgs@gmail.com
th	sukar@gmail.com
i	manjhh@mail.com
kshmi	seethg@gmail.com
aj	arhuu@gmail.com
achan	ajaylk@gmail.com
anth	paha@gmail.com

6 ✕

tput

ne	Action	Message
19:49	select * from customer LIMIT 0, 1000	11 row(s) returned
20:26	select * from customer_info LIMIT 0, 1000	11 row(s) returned

Limit to 1000 rows

```
-- 2  create a view names US_customers that displays customer who lived in US
create view US_Customers as select * from customer where counrty ="US";
select * from US_Customers;


-- create another view named customer_details with columns full_name,email,phone_number, and state
```

Grid   Filter Rows: Export: Wrap Cell Content: 🔠

tomer_id	First_name	last_name	address	phone_number	Email	city	state	zip_code	counrty
	Karthy	Menon	777 Brockton Avenue	9966332250	kafgfgs@gmail.com	Santa Ana	California	50082	US
	joe	Kurian	250 Hartford Avenue	8891663421	johne@gmail.com	Seattle	washington	689542	US
	Surya	Kanth	55 Brooksby Village Way	9966332250	sukar@gmail.com	los Angeles	california	598625	US
	Pavithra	Kanth	01 Massachusetts Ave	9966332250	paha@gmail.com	Nevada	california	258963	US

omers 7 ✕

on Output

Time	Action	Message
23:20:26	select * from customer_info LIMIT 0, 1000	11 row(s) returned
23:21:21	select * from US_Customers LIMIT 0, 1000	4 row(s) returned

Search

class*   class 8 functions*   my SQL Assignment 5 new*   SQL File 10*   MY SQL ASSIGNMENT 6 J   MY SQL ASSIGNMENT 7*   class 9 sub queries   My SQL Assignment 8 subqueri... ✕   clas

Limit to 1000 rows

```sql
create view US_Customers as select * from customer where counrty ="US";
select * from US_Customers;


-- 3 create another view named customer_details with columns full_name,email,phone_number, and state
create view customer_details as select concat(first_name,"",last_name) as full_name, email,Phone_number,State from customer;
select * from customer_details;
```

Grid   Filter Rows: Export: Wrap Cell Content: ĪA

name	email	Phone_number	State
brito	jhn@gmail.com	8891663452	UP
nyMenon	kafgfgs@gmail.com	9966332250	California
urian	johne@gmail.com	8891663421	washington
jaMenon	ser@gmail.com	8897456220	Maharashtra
nDavan	vadgs@gmail.com	6238500120	lie_de_france
aKanth	sukar@gmail.com	9966332250	california
uRani	manjhh@mail.com	9562614623	New South Wales
haLakshmi	seethg@gmail.com	6258987451	Ontario
nSooraj	arhuu@gmail.com	9965321478	England
Avarachan	ajaylk@gmail.com	6598741256	western cape
thraKanth	paha@gmail.com	9966332250	california

_details 8 ✕

on Output

Time	Action	Message
23:21:21	select * from US_Customers LIMIT 0, 1000	4 row(s) returned
23:21:48	select * from customer_details LIMIT 0, 1000	11 row(s) returned

Search

Limit to 1000 rows

```sql
select * from customer_details;


-- 4  update ph number of customers  who love in california for customer details view
update customer set phone_number="9966332250" where state ="california";
set SQL_safe_updates = 0;
select* from customer_details where state ="california";
```

Grid   Filter Rows: Export: Wrap Cell Content: $\overline{A}$

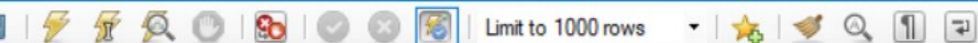| name	email	Phone_number	State
nyMenon	kafgfgs@gmail.com	9966332250	California
aKanth	sukar@gmail.com	9966332250	california
hraKanth	paha@gmail.com	9966332250	california

_details 9 ×

on Output

Time	Action	Message
23:21:48	select * from customer_details LIMIT 0, 1000	11 row(s) returned
23:22:26	select* from customer_details where state ="california" LIMIT 0, 1000	3 row(s) returned

Search

class*   class 8 functions*   my SQL Assignment 5 new*   SQL File 10*   MY SQL ASSIGNMENT 6 J   MY SQL ASSIGNMENT 7*   class 9 sub queries   My SQL Assignment 8 subqueri... ×   clas

Limit to 1000 rows

```sql
select* from customer_details where state ="california";


-- 5 count the number of customers in each state and show only state whith more than 5 customers
create view Statecustomercount as select state,count(*) as number_of_customers from customer group by state;
select * from statecustomercount having number_of_customers>5;
select state,count(*) as number_of_customers from customer group by state having count(*)>5;
```

Grid   Filter Rows: Export: Wrap Cell Content: A

| e | number_of_customers |

Output

Time	Action	Message
23:22:26	select* from customer_details where state ="california" LIMIT 0, 1000	3 row(s) returned
23:22:54	select state,count(*) as number_of_customers from customer group by state having count(*)>5 LIMIT 0, 1000	0 row(s) returned

Limit to 1000 rows

```
create view Statecustomercount as select state,count(*) as number_of_customers from customer group by state;
select * from statecustomercount having number_of_customers>5;
select state,count(*) as number_of_customers from customer group by state having count(*)>5;

-- 6 write a query that will return the number of customers in each state , based on state coulumn in the customer detais  view
select state,count(*) as number_of_customers from customer_details group by state;
```

Grid   Filter Rows: Export: Wrap Cell Content:

te	number_of_customers
	1
ornia	3
hington	1
arashtra	1
e_france	1
South Wales	1
rio	1
and	1
ern cape	1

on Output

Time	Action	Message
2 23:22:54	select state,count(*) as number_of_customers from customer group by state having count(*)>5 LIMIT 0, 1000	0 row(s) returned
3 23:23:13	select state,count(*) as number_of_customers from customer_details group by state LIMIT 0, 1000	9 row(s) returned

Search

class*   class 8 functions*   my SQL Assignment 5 new*   SQL File 10*   MY SQL ASSIGNMENT 6 J   MY SQL ASSIGNMENT 7*   class 9 sub queries   My SQL Assignment 8 subqueri... ✕   clas

Limit to 1000 rows

```
-- 6 write a query that will return the number of customers in each state , based on state coulumn in the customer detais  view
select state,count(*) as number_of_customers from customer_details group by state;

-- 7 write a query that will return all the colums from details vire, sorted by the state column in ascending order
select * from (select * from customer_details) as subquery order by state asc;
```

Filter Rows: Export: | Wrap Cell Content:

name	email	Phone_number	State
nyMenon	kafgfgs@gmail.com	9966332250	California
aKanth	sukar@gmail.com	9966332250	california
hraKanth	paha@gmail.com	9966332250	california
nSooraj	arhuu@gmail.com	9965321478	England
nDavan	vadgs@gmail.com	6238500120	lie_de_france
jaMenon	ser@gmail.com	8897456220	Maharashtra
uRani	manjhh@mail.com	9562614623	New South Wales
haLakshmi	seethg@gmail.com	6258987451	Ontario
brito	jhn@gmail.com	8891663452	UP
urian	johne@gmail.com	8891663421	washington
Avarachan	ajaylk@gmail.com	6598741256	western cape

on Output

Time	Action	Message
23:23:13	select state,count(*) as number_of_customers from customer_details group by state LIMIT 0, 1000	9 row(s) returned
23:23:35	select * from (select * from customer_details) as subquery order by state asc LIMIT 0, 1000	11 row(s) returned

Search

Limit to 1000 rows

```sql
1 •  use gayathry;
2 •  select * from country_2;
3 •  select * from persons_2;
4
5
6
7    -- add a new column to person_2 table with dob as data type date
8 •  alter table persons_2 add DOB date;
9 •  update persons_2 set DOB = '1990-01-15' WHERE First_name = "karthik";
10
11 • set SQL_safe_updates=0;
```

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

id	First_name	Last_name	Population	Rating	Country_id	Country_name	DOB
1	Karthik	Surya	500000	4.5	100	USA	1990-01-15
2	Alia	Bhat	5000000	4.8	101	India	1994-05-16
3	Surya	Kanth	80000	3.9	102	France	1998-05-25
4	Ajay	Avarachan	10000000	4.3	103	China	1988-11-05
5	Sanjay	Krishna	900000	4.2	104	japan	1997-02-18
6	Manu	Deva	100000	3.6	105	Australia	1992-01-08
7	Krishna	Kanth	120000	4.0	106	Germany	2000-06-16
8	Sachin	Madav	700000	4.1	107	UK	1987-09-21
9	Neeraj	Madhav	2000000	4.9	108	Brazil	2001-05-19
10	Harnas	Chandra	1500000	3.8	10	Canada	1995-05-02

persons_2 11 ×

Output

Action Output

Limit to 1000 rows

```sql
24   create function calculate_age(Date_of_birth date)
25     returns int
26     deterministic
27     begin
28         declare age int;
29         set age=timestampdiff(year,Date_of_birth,curdate());
30         return age;
31     end $$
32   delimiter ;
33
34   select first_name,last_name,calculate_age (DOB) as age from persons_2;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: $\overline{IA}$

first_name	last_name	age
Karthik	Surya	34
Alia	Bhat	30
Surya	Kanth	26
Ajay	Avarachan	36
Sanjay	Krishna	27
Manu	Deva	32
Krishna	Kanth	24
Sachin	Madav	37
Neeraj	Madhav	23
Harnas	Chandra	29

Result 12 ✕

Output

```sql
          declare age int;
          set age=timestampdiff(year,Date_of_birth,curdate());
          return age;
      end $$
   delimiter ;


   select first_name,last_name,calculate_age (DOB) as age from persons_2;



   -- find the lenth of each country name in the country_2 table
   select country_name, length(country_name) as name_lenth from country_2;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: $\overline{\text{A}}$

country_name	name_lenth
USA	3
india	5
France	6
China	5
japan	5
Australia	9
Germany	7
UK	2
Brazil	6
Canada	6

CHEMAS

Filter objects

- Trigg
- persons
- persons_
  - Colu
    - id
    - F
    - L
    - P
    - R
    - C
    - C
    - D
  - Inde
  - Forei
  - Trigg

Limit to 1000 rows

Administratic

Information

Schema:
entry_d42

dit   View   Query   Database   Server   Tools   Scripting   Help

SQL File 6*   my sql first class*   My SQL Assignment 3*   SQL File 9*   duplictes of joints class*   class 8 functions*   my SQL A

Limit to 1000 rows

```
31        end $$
32        delimiter ;
33
34  •     select first_name,last_name,calculate_age (DOB) as age from persons_2;
35
36
37        -- find the lenth of each country name in the country_2 table
38  •     select country_name, length(country_name) as name_lenth from country_2;
39
40        -- extract the first 3 characters of ecah country name from the country table
41  •     select country_name,substring(country_name,1,3) as first_three_charcter from country_2;
```

Result Grid   Filter Rows: Export: Wrap Cell Content: $\overline{\text{IA}}$

country_name	first_three_charcter
USA	USA
india	ind
France	Fra
China	Chi
japan	jap
Australia	Aus
Germany	Ger
UK	UK
Brazil	Bra
Canada	Can

ema:
ry_d42