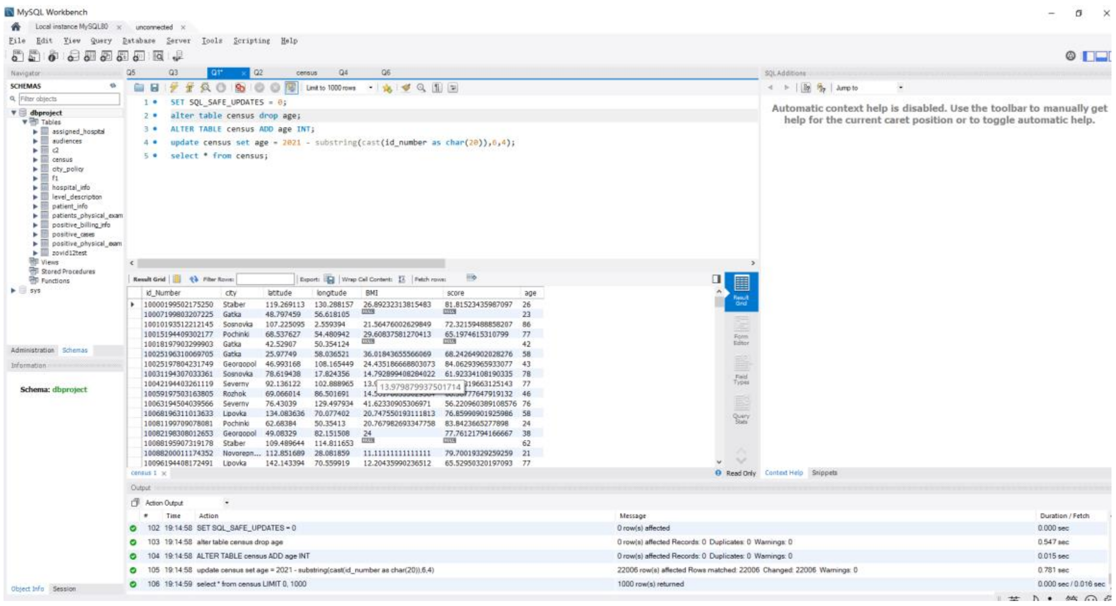
Q1:

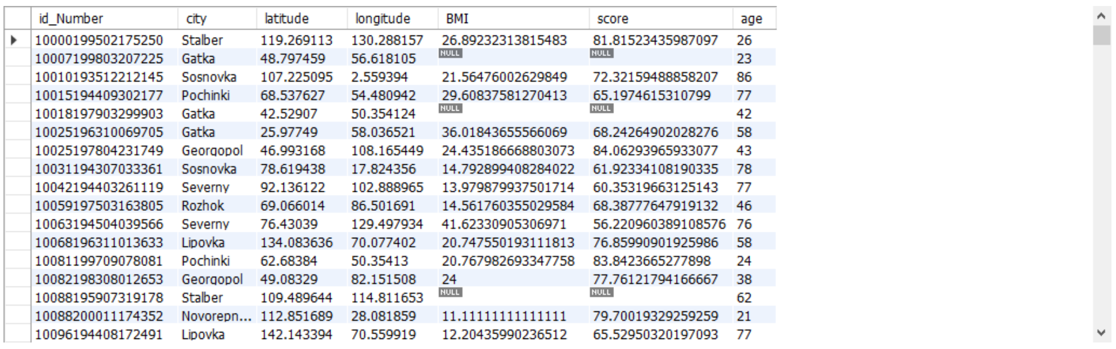


```sql
SET SQL_SAFE_UPDATES = 0;
alter table census drop age;
ALTER TABLE census ADD age INT;
update census set age = 2021 - substring(cast(id_number as char(20)),6,4);
select * from census;
```

id_Number	city	latitude	longitude	BMI	score	age
10000199502175250	Stalber	119.269113	130.288157	26.89232313815483	81.81523435987097	26
10007199803207225	Gatka	48.797459	56.618105	NULL	NULL	23
10010193512212145	Sosnovka	107.225095	2.559394	21.5647600262984 9	72.32159488858207	86
10015194409302177	Pochinki	68.537627	54.480942	29.60837581270413	65.1974615310799	77
10018197903299903	Gatka	42.52907	50.354124	NULL	NULL	42
10025196310069705	Gatka	25.97749	58.036521	36.01843655566069	68.24264902028276	58
10025197804231749	Georgopol	46.993168	108.165449	24.435186668803073	84.06293965933077	43
10031194307033361	Sosnovka	78.619438	17.824356	14.792899408284022	61.92334108190335	78
10042194403261119	Severny	92.136122	102.888965	13.979879937501714	60.35319663125143	77
10059197503163805	Rozhok	69.066014	86.501691	14.561760355029584	68.38777647919132	46
10063194504039566	Severny	76.43039	129.497934	41.62330905306971	56.220960389108576	76
10068196311013633	Lipovka	134.083636	70.077402	20.747550193111813	76.85990901925986	58
10081199709078081	Pochinki	62.68384	50.35413	20.767982693347758	83.8423665277898	24
10082198308012653	Georgopol	49.08329	82.151508	24	77.76121794166667	38
10088195907319178	Stalber	109.489644	114.811653	NULL	NULL	62
10088200011174352	Novorepn...	112.851689	28.081859	11.1111111111111	79.70019329259259	21
10096194408172491	Lipovka	142.143394	70.559919	12.20435990236512	65.52950320197093	77

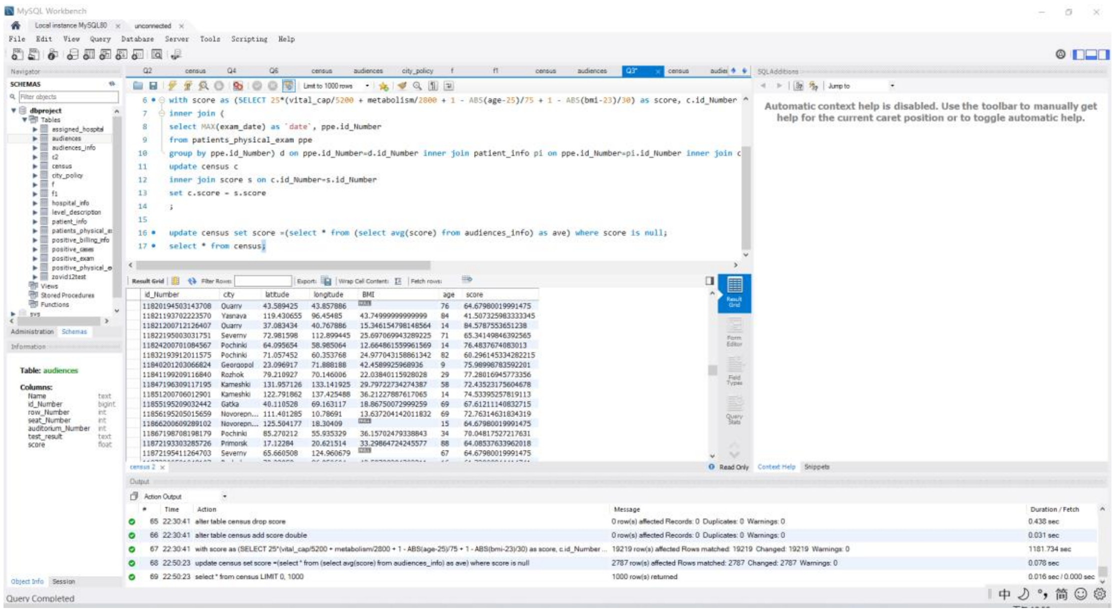
```
#    Time      Action                                                                  Message                                                              Duration / Fetch
102  19:14:58  SET SQL_SAFE_UPDATES = 0                                                0 row(s) affected                                                    0.000 sec
103  19:14:58  alter table census drop age                                             0 row(s) affected Records: 0  Duplicates: 0  Warnings: 0             0.547 sec
104  19:14:58  ALTER TABLE census ADD age INT                                          0 row(s) affected Records: 0  Duplicates: 0  Warnings: 0             0.015 sec
105  19:14:58  update census set age = 2021 - substring(cast(id_number as char(20)),6,4)  22006 row(s) affected Rows matched: 22006  Changed: 22006  Warnings: 0  0.781 sec
106  19:14:59  select * from census LIMIT 0, 1000                                      1000 row(s) returned                                                 0.000 sec / 0.016 sec
```

Q2:



id_Number	city	latitude	longitude	BMI	score	age
10000199502175250	Stalber	119.269113	130.288157	26.89232313815483	81.81523435987097	26
10007199803207225	Gatka	48.797459	56.618105	NULL	NULL	23
10010193512212145	Sosnovka	107.225095	2.559394	21.5647600262984 9	72.32159488858207	86
10015194409302177	Pochinki	68.537627	54.480942	29.60837581270413	65.1974615310799	77
10018197903299903	Gatka	42.52907	50.354124	NULL	NULL	42
10025196310069705	Gatka	25.97749	58.036521	36.01843655566069	68.24264902028276	58
10025197804231749	Georgopol	46.993168	108.165449	24.435186668803073	84.06293965933077	43
10031194307033361	Sosnovka	78.619438	17.824356	14.792899408284022	61.92334108190335	78
10042194403261119	Severny	92.136122	102.888965	13.979879937501714	60.35319663125143	77
10059197503163805	Rozhok	69.066014	86.501691	14.561760355029584	68.38777647919132	46
10063194504039566	Severny	76.43039	129.497934	41.62330905306971	56.220960389108576	76
10068196311013633	Lipovka	134.083636	70.077402	20.747550193111813	76.85990901925986	58
10081199709078081	Pochinki	62.68384	50.35413	20.767982693347758	83.8423665277898	24
10082198308012653	Georgopol	49.08329	82.151508	24	77.76121794166667	38
10088195907319178	Stalber	109.489644	114.811653	NULL	NULL	62
10088200011174352	Novorepn...	112.851689	28.081859	11.1111111111111	79.70019329259259	21
10096194408172491	Lipovka	142.143394	70.559919	12.20435990236512	65.52950320197093	77

Q3:



```sql
with score as (SELECT 25*(vital_cap/5200 + metabolism/2800 + 1 - ABS(age-25)/75 + 1 - ABS(bmi-23)/30) as score, c.id_Number
inner join (
select MAX(exam_date) as `date`, ppe.id_Number
from patients_physical_exam ppe
group by ppe.id_Number) d on ppe.id_Number=d.id_Number inner join patient_info pi on ppe.id_Number=pi.id_Number inner join c
update census c
inner join score s on c.id_Number=s.id_Number
set c.score = s.score
;

update census set score =(select * from (select avg(score) from audiences_info) as ave) where score is null;
select * from census;
```

Table: audiences

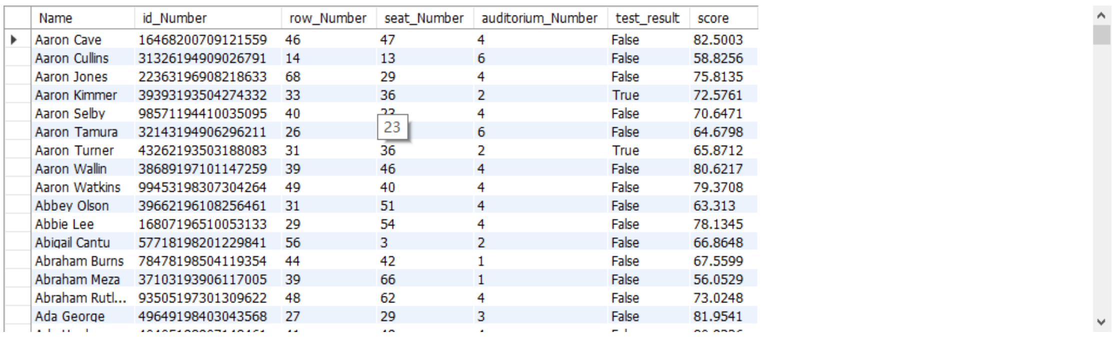
Columns:	
Name	text
id_Number	bigint
row_Number	int
seat_Number	int
auditorium_Number	int
test_result	text
score	float

id_Number	city	latitude	longitude	BMI	age	score
11820194503143708	Quarry	43.589425	43.857886	NULL	76	64.67980019991475
11821193702223570	Yasnaya	119.430655	96.45485	43.7499999999999	84	41.507325983333345
11821200712126407	Quarry	37.083434	40.767886	15.346154798148564	14	84.5787553651238
11822195003031751	Severny	72.981598	112.899445	25.697069943289225	71	65.34149846392565
11824200701084567	Pochinki	64.095654	58.985064	12.664861559961569	14	76.4837674083013
11832193912011575	Pochinki	71.057452	60.353768	24.977043158861342	82	60.296145334282215
11840201203066824	Georgopol	23.096917	71.888188	42.4589925968936	9	75.98998783592201
11841199209116840	Rozhok	79.210927	70.146006	22.03840115928028	29	77.28016945773356
11847196309117195	Kameshki	131.957126	133.141925	29.79722734274387	58	72.43523175604678
11851200706012901	Kameshki	122.791862	137.425488	36.21227887617065	14	74.53395257819113
11855195209032442	Gatka	40.110528	69.163117	18.86750072999259	69	67.61211140832715
11856195205015659	Novorepn...	111.401285	10.78691	13.637204142011832	69	72.76314631834319
11866200609289102	Novorepn...	125.504177	18.30409	NULL	15	64.67980019991475
11867198708198179	Pochinki	85.270212	55.935329	36.15702479338843	34	70.04817527217631
11872193303285726	Primorsk	17.12284	20.621514	33.29864724245577	88	64.08537633962018
11872195411264703	Severny	65.660508	124.960679	NULL	67	64.67980019991475

```
#   Time      Action                                                                                              Message                                                              Duration / Fetch
65  22:30:41  alter table census drop score                                                                       0 row(s) affected Records: 0  Duplicates: 0  Warnings: 0             0.438 sec
66  22:30:41  alter table census add score double                                                                 0 row(s) affected Records: 0  Duplicates: 0  Warnings: 0             0.031 sec
67  22:30:41  with score as (SELECT 25*(vital_cap/5200 + metabolism/2800 + 1 - ABS(age-25)/75 + 1 - ABS(bmi-23)/30) as score, c.id_Number ...  19219 row(s) affected Rows matched: 19219  Changed: 19219  Warnings: 0  1181.734 sec
68  22:50:23  update census set score =(select * from (select avg(score) from audiences_info) as ave) where score is null  2787 row(s) affected Rows matched: 2787  Changed: 2787  Warnings: 0  0.078 sec
69  22:50:23  select * from census LIMIT 0, 1000                                                                  1000 row(s) returned                                                 0.016 sec / 0.000 sec
```

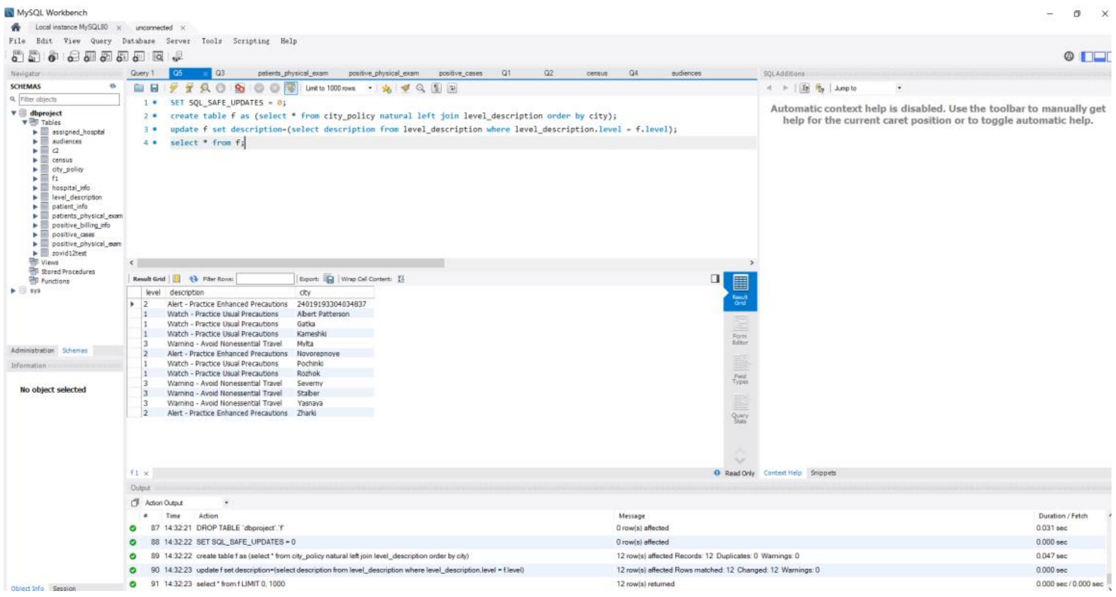
Query Completed

Q4:



Name	id_Number	row_Number	seat_Number	auditorium_Number	test_result	score
Aaron Cave	16468200709121559	46	47	4	False	82.5003
Aaron Cullins	31326194909026791	14	13	6	False	58.8256
Aaron Jones	22363196908218633	68	29	4	False	75.8135
Aaron Kimmer	39393193504274332	33	36	2	True	72.5761
Aaron Selby	98571194410035095	40	23	4	False	70.6471
Aaron Tamura	32143194906296211	26	23	6	False	64.6798
Aaron Turner	43262193503188083	31	36	2	True	65.8712
Aaron Wallin	38689197101147259	39	46	4	False	80.6217
Aaron Watkins	99453198307304264	49	40	4	False	79.3708
Abbey Olson	39662196108256461	31	51	4	False	63.313
Abbie Lee	16807196510053133	29	54	4	False	78.1345
Abigail Cantu	57718198201229841	56	3	2	False	66.8648
Abraham Burns	78478198504119354	44	42	1	False	67.5599
Abraham Meza	37103193906117005	39	66	1	False	56.0529
Abraham Rutl...	93505197301309622	48	62	4	False	73.0248
Ada George	49649198403043568	27	29	3	False	81.9541

Q5:

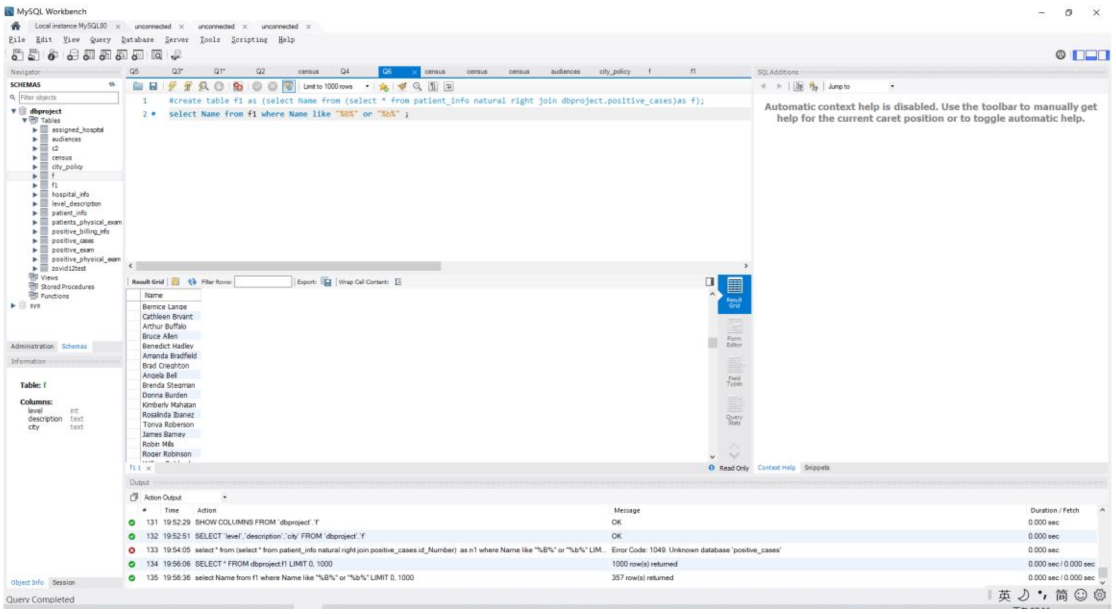


```
SET SQL_SAFE_UPDATES = 0;
create table f as (select * from city_policy natural left join level_description order by city);
update f set description=(select description from level_description where level_description.level = f.level);
select * from f;
```

level	description	city
2	Alert - Practice Enhanced Precautions	24019193304034837
1	Watch - Practice Usual Precautions	Albert Patterson
1	Watch - Practice Usual Precautions	Gatka
1	Watch - Practice Usual Precautions	Kameshki
3	Warning - Avoid Nonessential Travel	Mylta
2	Alert - Practice Enhanced Precautions	Novorepnoye
1	Watch - Practice Usual Precautions	Pochinki
1	Watch - Practice Usual Precautions	Rozhok
3	Warning - Avoid Nonessential Travel	Severny
3	Warning - Avoid Nonessential Travel	Stalber
3	Warning - Avoid Nonessential Travel	Yasnaya
2	Alert - Practice Enhanced Precautions	Zharki

```
#   Time      Action                                                                                              Message                                                        Duration / Fetch
87  14:32:21  DROP TABLE `dbproject`.`f`                                                                          0 row(s) affected                                              0.031 sec
88  14:32:22  SET SQL_SAFE_UPDATES = 0                                                                            0 row(s) affected                                              0.000 sec
89  14:32:22  create table f as (select * from city_policy natural left join level_description order by city)     12 row(s) affected Records: 12  Duplicates: 0  Warnings: 0     0.047 sec
90  14:32:23  update f set description=(select description from level_description where level_description.level = f.level)   12 row(s) affected Rows matched: 12  Changed: 12  Warnings: 0   0.000 sec
91  14:32:23  select * from f LIMIT 0, 1000                                                                       12 row(s) returned                                             0.000 sec / 0.000 sec
```

Q6:

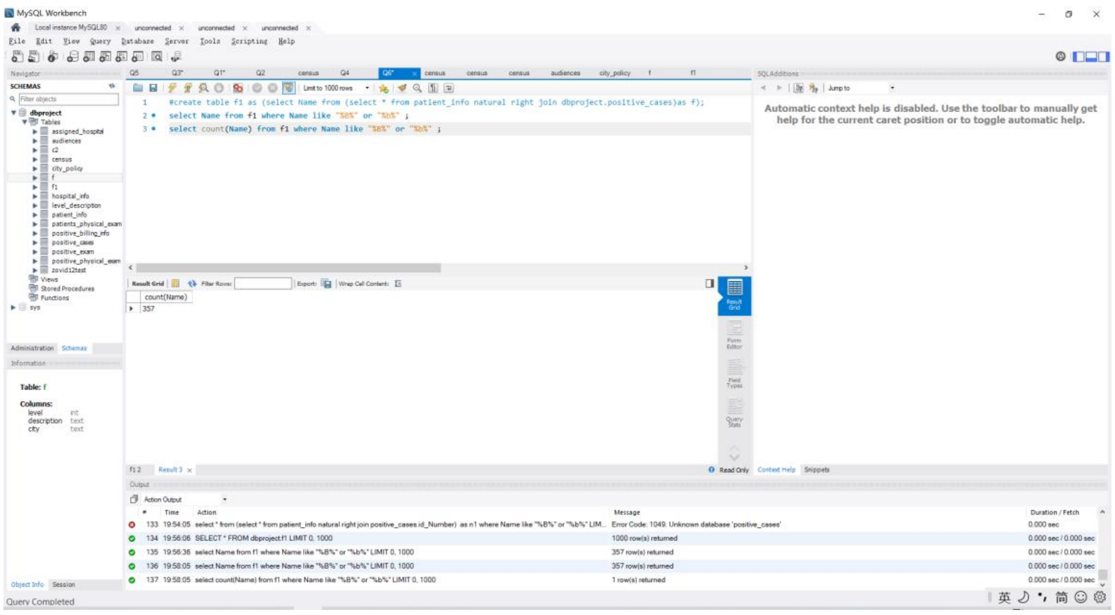


```
#create table f1 as (select Name from (select * from patient_info natural right join dbproject.positive_cases)as f);
select Name from f1 where Name like "%B%" or "%b%" ;
```

Name
Bernice Lange
Cathleen Bryant
Arthur Buffalo
Bruce Allen
Benedict Hadley
Amanda Bradfield
Brad Crieghton
Angela Bell
Brenda Stegman
Donna Burden
Kimberly Mahatan
Rosalinda Ibanez
Tonya Roberson
James Barney
Robin Mills
Roger Robinson

```
#    Time      Action                                                                                                             Message                                                  Duration / Fetch
131  19:52:29  SHOW COLUMNS FROM `dbproject`.`f`                                                                                  OK                                                       0.000 sec
132  19:52:51  SELECT `level`,`description`,`city` FROM `dbproject`.`f`                                                           OK                                                       0.000 sec
133  19:54:05  select * from (select * from patient_info natural right join positive_cases.id_Number) as n1 where Name like "%B%" or "%b%" LIM...   Error Code: 1049. Unknown database 'positive_cases'   0.000 sec
134  19:56:06  SELECT * FROM dbproject.f1 LIMIT 0, 1000                                                                           1000 row(s) returned                                     0.000 sec / 0.000 sec
135  19:56:36  select Name from f1 where Name like "%B%" or "%b%" LIMIT 0, 1000                                                   357 row(s) returned                                      0.000 sec / 0.000 sec
```

Query Completed



```sql
#create table f1 as (select Name from (select * from patient_info natural right join dbproject.positive_cases)as f);
select Name from f1 where Name like "%B%" or "%b%" ;
select count(Name) from f1 where Name like "%B%" or "%b%" ;
```

```
count(Name)
357
```

Table: f

Columns:

```
level        int
description  text
city         text
```

Action Output

```
#    Time      Action                                                                                                          Message                                              Duration / Fetch
133  19:54:05  select * from (select * from patient_info natural right join positive_cases.id_Number)  as n1 where Name like "%B%" or "%b%" LIM...  Error Code: 1049. Unknown database 'positive_cases'  0.000 sec
134  19:56:06  SELECT * FROM dbproject.f1 LIMIT 0, 1000                                                                        1000 row(s) returned                                 0.000 sec / 0.000 sec
135  19:56:36  select Name from f1 where Name like "%B%" or "%b%" LIMIT 0, 1000                                              357 row(s) returned                                  0.000 sec / 0.000 sec
136  19:58:05  select Name from f1 where Name like "%B%" or "%b%" LIMIT 0, 1000                                              357 row(s) returned                                  0.000 sec / 0.000 sec
137  19:58:05  select count(Name) from f1 where Name like "%B%" or "%b%" LIMIT 0, 1000                                       1 row(s) returned                                    0.000 sec / 0.000 sec
```

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Query Completed