

SQL Project < Assignments — AI

portal.aileadtech.com/course/G2CKX/assignment/EXKY9679RXNGQ8S

MySQL Workbench

test DB connection - Warning...

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHMAS

Filter objects

aillead_2024

creating_tables

data_analytics_batchb

Tables

gg_employee

owner

property

service

Views

Stored Procedures

Functions

Administration

Schemas

Information

creating_tables

inserting data

final sql project

Limit to 1000 rows

use data_analytics_batchb;

/*question 1 ,Show all owner information. */

select * from owner;

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	OwnerID	OwnerName	OwnerEmail	OwnerType
▶	1	Mary Jones	Mary.Jones@somewhere.com	Individual
	2	DT Enterprises	DTE@dte.com	Corporation
	3	Sam Douglas	NULL	Individual
	4	UNY Enterprises	UNYE@unye.com	Corporation
	5	Doug Samuels	Doug.Samuels@somewhere.com	Individual
	6	Mary Jones	Mary.Jones@somewhere.com	Individual
	7	DT Enterprises	DTE@dte.com	Corporation

owner 1

Apply

Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✖	1 14:15:46	select * from owner LIMIT 0, 1000	Error Code: 1046. No database selected Select the default DB to be used ...	0.000 sec
✖	2 14:15:49	select * from owner LIMIT 0, 1000	Error Code: 1046. No database selected Select the default DB to be used ...	0.000 sec
✔	3 14:16:38	use data_analytics_batchb	0 row(s) affected	0.000 sec
✔	4 14:16:38	select * from owner LIMIT 0, 1000	15 row(s) returned	0.109 sec / 0.000 sec

MySQL Workbench

test DB connection - Warning...

File Edit View Query Database Server Tools Scripting Help

Navigator: creating_tables inserting data final sql project*

SCHEMAS

Filter objects

- aillead_2024
- creating_tables
- data_analytics_batchb**
 - Tables
 - gg_employee
 - owner
 - property
 - service
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information:

Schema:
data_analytics_batchb

```
1 • use data_analytics_batchb;
2 • /*question 1 ,Show all owner information. */
3 • select * from owner;
4 • /*question 2,Show all OwnerName and OwnerEmail.*/
5 • select OwnerName ,OwnerEmail from owner;
```

Result Grid

	OwnerName	OwnerEmail
▶	Mary Jones	Mary.Jones@somewhere.com
	DT Enterprises	DTE@dte.com
	Sam Douglas	NULL
	UNY Enterprises	UNYE@unye.com
	Doug Samuels	Doug.Samuels@somewhere.com
	Mary Jones	Mary.Jones@somewhere.com
	DT Enterprises	DTE@dte.com

owner 2 x Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✗ 1	14:15:46	select * from owner LIMIT 0, 1000	Error Code: 1046. No database selected Select the default DB to be used ...	0.000 sec
✗ 2	14:15:49	select * from owner LIMIT 0, 1000	Error Code: 1046. No database selected Select the default DB to be used ...	0.000 sec
✓ 3	14:16:38	use data_analytics_batchb	0 row(s) affected	0.000 sec
✓ 4	14:16:38	select * from owner LIMIT 0, 1000	15 row(s) returned	0.109 sec / 0.000 sec

 MySQL Workbench


test DB connection - Warning...


File Edit View Query Database Server Tools Scripting Help


Navigator:

SCHEMAS

Filter objects

►  ailead_2024


▶  creating_tables


▼  data_analytics_batchb

▼ Tables

gg_employee

▶ owner

►  property

▶  service

 Views

Stored Procedures

Functions

Administration Schemas

Information:

Schema:
data_analytics_batchb

creating_tables


inserting data

final sql project* × owner

owner

Limit to 1000 rows

```
1 • use data_analytics_batchb;
2   /*question 1 ,Show all owner information. */
3 • select * from owner;
4   /*question 2,Show all OwnerName and OwnerEmail.*/
5 • select OwnerName ,OwnerEmail from owner;
6   /*question 3,Show all OwnerName and OwnerEmail which OwnerType is 'Corporation'*/
7 • select OwnerName, OwnerEmail, OwnerType from owner where OwnerType ='Corporation';
```

Result Grid   Filter Rows:  Export:  Wrap Cell Content: 

	OwnerName	OwnerEmail	OwnerType
▶	DT Enterprises	DTE@dte.com	Corporation
	UNY Enterprises	UNYE@unye.com	Corporation
	DT Enterprises	DTE@dte.com	Corporation
	UNY Enterprises	UNYE@unye.com	Corporation
	DT Enterprises	DTE@dte.com	Corporation
	UNY Enterprises	UNYE@unye.com	Corporation

owner 5 x

Output

Action Output

Read Only

SQL Project < Assignments — A

portal.aileadtech.com/course/G2CKX/assignment/EXKY9679RXNGQ8S

MySQL Workbench

test DB connection - Warning...

File Edit View Query Database Server Tools Scripting Help

SCHEMAS

Filter objects

aillead_2024

creating_tables

data_analytics_batchb

Tables

gg_employee

owner

property

service

Views

Stored Procedures

Functions

Administration

Schemas

Information

Schema: data_analytics_batchb

creating_tables

inserting data

final sql project*

owner

service

property

Limit to 1000 rows

3 • select * from owner;

4 /*question 2,Show all OwnerName and OwnerEmail.*/

5 • select OwnerName ,OwnerEmail from owner;

6 /*question 3,Show all OwnerName and OwnerEmail which OwnerType is 'Corporation'*/

7 • select OwnerName, OwnerEmail, OwnerType from owner where OwnerType ='Corporation';

8 /*question 4,Show PropertyID and ServiceDate for all services have HoursWorked more than 4.*/

9 • select PropertyID, ServiceDate ,HoursWorked from service where HoursWorked > 4;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	PropertyID	ServiceDate	HoursWorked
▶	1	2012-05-05 00:00:00	4.50
	3	2012-05-08 00:00:00	4.50
	5	2012-05-12 00:00:00	7.50

service 6

Read Only

Output

Action Output

SQL Project < Assignments — A

portal.aileadtech.com/course/G2CKX/assignment/EXKY9679RXNGQ85

MySQL Workbench

test DB connection - Warning...

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

ailed_2024

creating_tables

data_analytics_batchb

Tables

gg_employee

owner

property

service

Views

Stored Procedures

Functions

Administration

Schemas

Information

Schema:
data_analytics_batchb

creating_tables

inserting data

final sql project

owner

service

property

Limit to 1000 rows

5 • select OwnerName ,OwnerEmail from owner;

6 /*question 3,Show all OwnerName and OwnerEmail which OwnerType is 'Corporation'*/

7 • select OwnerName, OwnerEmail, OwnerType from owner where OwnerType ='Corporation';

8 /*question 4,Show PropertyID and ServiceDate for all services have HoursWorked more than 4.*/

9 • select PropertyID, ServiceDate ,HoursWorked from service where HoursWorked > 4;

10 /*question 5,Show PropertyID and ServiceDate for all services have HoursWorked between 4 and 6.*/

11 • select PropertyID,ServiceDate,HoursWorked from service where HoursWorked between 4 and 6;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	PropertyID	ServiceDate	HoursWorked
▶	1	2012-05-05 00:00:00	4.50
	3	2012-05-08 00:00:00	4.50

service 7

Read Only

Output

Action Output

All tools

Export a...
Edit a P...
Create a...
Combini...
Organiz...
Add cor...
Request...
Scan &...
Protect...
Redact...
Compre...
Prepare...

Convert, e...

MySQL Workbench

test DB connection - Warning...

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

aillead_2024
creating_tables
data_analytics_batchb
Tables
gg_employee
owner
property
service
Views
Stored Procedures
Functions

Administration Schemas

Information

creating_tables inserting data final sql project* owner service property

Limit to 1000 rows

```
7 • select OwnerName, OwnerEmail, OwnerType from owner where OwnerType = 'Corporation';
8 /*question 4,Show PropertyID and ServiceDate for all services have HoursWorked more than 4.*/
9 • select PropertyID, ServiceDate ,HoursWorked from service where HoursWorked > 4;
10 /*question 5,Show PropertyID and ServiceDate for all services have HoursWorked between 4 and 6.*/
11 • select PropertyID,ServiceDate,HoursWorked from service where HoursWorked between 4 and 6;
12 /*question 6,Count how many services have HoursWorked more than 4.*/
13 • select count(*) HoursWorked from service where HoursWorked > 4 ;
```

Result Grid

HoursWorked
3

Result 10 x

Output

All tools

Export a

Edit a P

Create a

Combini

Organiz

Add con

Request

Scan &

Protect

Redact

Compre

Prepare

Convert, e

MySQL Workbench

test DB connection - Warning...

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigator

SCHEMAS

Filter objects

aillead_2024

creating_tables

data_analytics_batchb

Tables

gg_employee

owner

property

service

Views

Stored Procedures

Functions

AdministrationSchemas

Information

creating_tablesinserting datafinal sql project*owner

Limit to 1000 rows

10

/*question 5,Show PropertyID and ServiceDate for all services have HoursWorked between 4 and 6.*/

11

• select PropertyID,ServiceDate,HoursWorked from service where HoursWorked between 4 and 6;

12

/*question 6,Count how many services have HoursWorked more than 4.*/

13

• select count(*) HoursWorked from service where HoursWorked > 4 ;

14

15

/*question 7,Count how many distinct ExperienceLevel in EMPLOYEE table*/

16

• select count(distinct ExperienceLevel) from gg_employee;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

count(distinct ExperienceLevel)

3

Table: gg_employee

Columns:

EmployeeID

int AI PK

LastName

varchar(25)

FirstName

varchar(25)

CellPhone

varchar(12)

ExperienceLevel

varchar(15)

Result 12

Read Only

SQL Project - Assignments — AI

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MySQL Workbench

test DB connection - Warning..

File Edit View Query Database Server Tools Scripting Help

Schemas

Filter objects

aillead_2024

creating_tables

data_analytics_batchb

Tables

gg_employee

owner

property

service

Views

Stored Procedures

Functions

Administration Schemas

Information

Schema: data_analytics_batchb

Query 1

data_analytics_batchb.gg_empl...

owner

gg_employee

property

service

final sql project

data_analytics_batchb.gg_empl...

Limit to 1000 rows

13

select count(*) HoursWorked from service where HoursWorked > 4 ;

14

/*question 7,Count how many distinct ExperienceLevel in EMPLOYEE table*/

15

select count(distinct ExperienceLevel) from gg_employee;

16

/*question 8,Show all employees with CellPhone containing '254' and the ExperienceLevel is Senior*/

17

select* from gg_employee where cellphone like '%254%' and ExperienceLevel = 'Senior';

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	EmployeeID	LastName	FirstName	CellPhone	ExperienceLevel
▶	2	Evanston	John	206-254-2345	Senior
	5	Fontaine	Joan	206-254-4567	Senior
*	NULL	NULL	NULL	NULL	NULL

ig_employee 1

Apply

Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	16:58:16	SELECT * FROM data_analytics_batchb.owner LIMIT 0, 1000	5 row(s) returned	0.016 sec / 0.000 sec
✓ 2	16:58:27	SELECT * FROM data_analytics_batchb.gg_employee LIMIT 0, 1000	5 row(s) returned	0.016 sec / 0.000 sec

MySQL Workbench

test DB connection - Warning... x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

aillead_2024

creating_tables

data_analytics_batchb

Tables

gg_employee

owner

property

service

Views

Stored Procedures

Functions

Administration

Schemas

Information

Table: **property**

Columns:

PropertyID

PropertyName

Street

City

State

ZIP

OwnerID

int AI PK

varchar(50)

varchar(35)

varchar(35)

varchar(2)

varchar(10)

int

Query 1

data_analytics_batchb.gg_empl...

owner

gg_employee

property

service

final sql project* x

data_analytics_batchb.gg_empl...

Limit to 1000 rows

14

15

16

17

18

19

20

21

22

/*question 7,Count how many distinct ExperienceLevel in EMPLOYEE table*/

• select count(distinct ExperienceLevel) from gg_employee;

/*question 8,Show all employees with CellPhone containing '254' and the ExperienceLevel is Senior*/

• select* from gg_employee where cellphone like '%254%' and ExperienceLevel = 'Senior';

/*question 9,Show all properties not in city 'Seattle' or 'Bellevue'.*/

• select *from property where city not in ('Seattle' , 'Bellevue');

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	PropertyID	PropertyName	Street	City	State	ZIP	OwnerID
▶	2	Elm St Apts	4 East Elm	Lynwood	WA	98223	1
	4	Lake View Apts	1265 32nd Avenue	Redmond	WA	98052	3
	5	Kodak Heights Apts	65 32nd Avenue	Rochester	NY	14604	4
	8	Private Residence	567 151st St	Rochester	NY	14604	5
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

property 3 x

Apply

Revert

Output

Action Output

Result Grid

Form Editor

SQL Project < Assignments — AI

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MySQL Workbench

test DB connection - Warning...

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

aillead_2024

creating_tables

data_analytics_batchb

Tables

gg_employee

owner

property

service

Views

Stored Procedures

Functions

Administration

Schemas

Information

Table: property

Columns:

PropertyID

PropertyName

Street

City

State

ZIP

OwnerID

int AI PK

varchar(50)

varchar(35)

varchar(35)

varchar(2)

varchar(10)

int

Query 1

data_analytics_batchb.gg_empl...

owner

gg_employee

property

service

final sql project*

data_analytics_batchb.gg_empl...

Limit to 1000 rows

20

21

22

23

24

25

26

27

/*question 9,Show all properties not in city 'Seattle' or 'Bellevue'.*/

• select *from property where city not in ('Seattle' , 'Bellevue');

/*question 10, Show all properties with PropertyName begins with 'P', but the location is not in NY State*/

• select * from property where PropertyName like 'p%' and state not like 'NY%';

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	PropertyID	PropertyName	Street	City	State	ZIP	OwnerID
▶	6	Private Residence	1456 48th St	Bellevue	WA	98007	1
	7	Private Residence	1567 51st St	Bellevue	WA	98007	3
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

property 4 x

Apply

Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 9	17:18:26	select *from property where city not in ('Seattle' , 'Bellevue') LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
✗ 10	17:36:41	select* from property where PropertyName like "%p%", where state not in(...	Error Code: 1064. You have an error in your SQL syntax; check the manu...	0.000 sec

MySQL Workbench

test DB connection - Warning... x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

aillead_2024

creating_tables

data_analytics_batchb

Tables

gg_employee

owner

property

service

Views

Stored Procedures

Functions

Administration

Schemas

Information

Table: **property**

Columns:

PropertyID

PropertyName

Street

City

State

ZIP

OwnerID

int AI PK

varchar(50)

varchar(35)

varchar(35)

varchar(2)

varchar(10)

int

Query 1

data_analytics_batchb.gg_empl...

owner

gg_employee

property

service

final sql project* x

data_analytics_batchb.gg_empl...

Limit to 1000 rows

★

🔍

📄

21

/*question 9,Show all properties not in city 'Seattle' or 'Bellevue'.*/

22 •

select *from property where city not in ('Seattle' , 'Bellevue');

23

24

25

/*question 10, Show all properties with PropertyName begins with 'P', but the location is not in NY State*/

26 •

select * from property where PropertyName like 'p%' and state not like 'NY%';

27

28

/*question 11,Show all the services in descending order of their HoursWorked*/

29 •

select* from service order by HoursWorked desc;

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

Result Grid

Form Editor

Apply Revert

Output

	PropertyID	EmployeeID	ServiceDate	HoursWorked
▶	5	4	2012-05-12 00:00:00	7.50
	1	1	2012-05-05 00:00:00	4.50
	3	3	2012-05-08 00:00:00	4.50
	4	1	2012-05-19 00:00:00	3.00
	2	2	2012-05-08 00:00:00	2.75
	8	4	2012-05-15 00:00:00	2.75
	6	5	2012-05-10 00:00:00	2.50
	7	2	2012-05-19 00:00:00	2.50

SQL Project - Assignments — AI

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MySQL Workbench

test DB connection - Warning...

FileEditViewQueryDatabaseServerToolsScriptingHelp

SCHEMAS

Filter objects

aillead_2024

creating_tables

data_analytics_batchb

- Tables
 - gg_employee
 - owner
 - property
 - service
- Views
- Stored Procedures
- Functions

AdministrationSchemas

Information

Table: property

Columns:

- PropertyIDint AI PK
- PropertyNamevarchar(50)
- Streetvarchar(35)
- Cityvarchar(35)
- Statevarchar(2)
- ZIPvarchar(10)
- OwnerIDint

Query 1data_analytics_batchb.gg_empl...ownergg_employeepropertyservicefinal sql project* xdata_analytics_batchb.gg_empl...

Limit to 1000 rows

```
23
24
25 /*question 10, Show all properties with PropertyName begins with 'P', but the location is not in NY State*/
26 • select * from property where PropertyName like 'p%' and state not like 'NY%';
27
28 /*question 11,Show all the services in descending order of their HoursWorked*/
29 • select* from service order by HoursWorked desc;
30
31 /*question 12,Show all the services which HoursWorked is greater than 3 in ascending order of their ServiceDate.*/
32 • select HoursWorked ,ServiceDate from service where Hoursworked >3 order by ServiceDate asc ;
```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	HoursWorked	ServiceDate
▶	4.50	2012-05-05 00:00:00
	4.50	2012-05-08 00:00:00
	7.50	2012-05-12 00:00:00

service 8 x

Read Only

test DB connection - Warning... x

Edit View Query Database Server Tools Scripting Help



Navigator: data_analytics_batchb.gg_empl... owner gg_employee property service final sql project* x data_analytics_batchb.gg_empl...

HEMAS

Filter objects

ailed_2024
creating_tables
data_analytics_batchb

Tables

gg_employee
owner
property
service

Views

Stored Procedures

Administration Schemas

Information

Table: property

Columns:

PropertyID	int AI PK
PropertyName	varchar(50)
Street	varchar(35)
City	varchar(35)
State	varchar(2)
ZIP	varchar(10)
OwnerID	int

Query 1 Limit to 1000 rows

```
27
28 /*question 11,Show all the services in descending order of their HoursWorked*/
29 • select* from service order by HoursWorked desc;
30
31 /*question 12,Show all the services which HoursWorked is greater than 3 in ascending order of their ServiceDate.*/
32 • select HoursWorked ,ServiceDate from service where Hoursworked >3 order by ServiceDate asc ;
33
34 /*question 13,Show all owners with Email as NULL*/
35 • select * from owner where OwnerEmail is NULL;
36
```

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

	OwnerID	OwnerName	OwnerEmail	OwnerType
▶	3	Sam Douglas	NULL	Individual
*	NULL	NULL	NULL	NULL

owner 10 x

Apply

Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 12	18:43:52	select * from owner where OwnerEmail = NULL LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✓ 13	18:45:21	select * from owner where OwnerEmail is NULL LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

```

30
31  /*question 12,Show all the services which HoursWorked is greater than 3 in ascending order of their ServiceDate.*/
32  •  select  HoursWorked ,ServiceDate from service where Hoursworked >3 order by ServiceDate asc ;
33
34  /*question 13,Show all owners with Email as NULL*/
35  •  select *  from owner where OwnerEmail is NULL;
36
37  /*question 14,Count how many Owners whose Email is not NULL.*/
38  •  select count( OwnerEmail )| from owner where OwnerEmail is not NULL;
39

```






Result Grid  Filter Rows:  Export:  Wrap Cell Content: 

Table: **property**

Columns:

<u>PropertyID</u>	int AI PK
PropertyName	varchar(50)
Street	varchar(35)
City	varchar(35)
State	varchar(2)
ZIP	varchar(10)
OwnerID	int

 Read Only

 Action Output

Object Info

test DB connection - Warning... x

Edit View Query Database Server Tools Scripting Help

Navigator:

HEMAS

Filter objects

ailead_2024
creating_tables
data_analytics_batchb

Tables

gg_employee
owner
property
service

Views

Stored Procedures

Administration Schemas

Information

Table: property

Columns:

PropertyID	int AI PK
PropertyName	varchar(50)
Street	varchar(35)
City	varchar(35)
State	varchar(2)
ZIP	varchar(10)
OwnerID	int

Query 1 data_analytics_batchb.gg_empl... owner gg_employee property service final sql project* x data_analytics_batchb.gg_empl...

Limit to 1000 rows

```
33
34 /*question 13,Show all owners with Email as NULL*/
35 • select * from owner where OwnerEmail is NULL;
36
37 /*question 14,Count how many Owners whose Email is not NULL.*/
38 • select count( OwnerEmail ) from owner where OwnerEmail is not NULL;
39
40 /*question 15,Show the sum of Hours Worked in SERVICE.*/
41 • select sum(Hoursworked) from service;
42
```

Result Grid Filter Rows: Export: Wrap Cell Content:

	sum(Hoursworked)
▶	30.00

Result 12 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 21	18:58:19	select count(OwnerEmail) from owner where OwnerEmail is not NULL LIMIT 0, 1000	1 row(s) returned	0.016 sec / 0.000 sec
✓ 22	19:03:25	select sum(Hoursworked) from service LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Project Info

Session

	EmployeeID	TotalHoursworked
▶	1	7.50
	4	10.25

#	Time	Action	Message	Duration / Fetch
30	07:24:49	SELECT COUNT(*) AS Num_Services_Corporation FROM SERVICE s JOIN PROPERTY p ...	1 row(s) returned	0.000 sec / 0.000 sec

Query 1 

```
1      /*question 16,Show Only show the employee with sum of Hours Worked more than 7*/
2      •  select EmployeeID, sum(Hoursworked) as TotalHoursworked from service group by EmployeeID having sum(Hoursworked) >7;
```

```
4      /*question 17, Show the names of employees who have worked on a property owned by a corporation.*/
```

```
5 • select distinct e.lastname,e.firstname from service s join property p on s.propertyID =p.propertyID join owner o on p.OwnerID = o.OwnerID
6 join gg_employee e on s.EmployeeID = e.EmployeeID where o.OwnerType = 'corporation';
```


Information

Schema: creating_tables

Result Grid Filter Rows: Export: Wrap Cell Content:

	lastname	firstname
▶	Smith	Sam
	Murray	Dale
	Murphy	Jerry

Result 31

 Read Only

 Action Output

#	Time	Action	Message	Duration / Fetch
33	15:36:58	select EmployeeID, sum(Hoursworked) as TotalHoursworked from service group by Employee...	2 row(s) returned	0.000 sec / 0.000 sec

```
8
9  /*question 18, Show the names of employees who have worked on a property in New York*/
10 • select distinct e.lastName,e.FirstName from SERVICE s join property p on s.propertyID =p.propertyID
11 join GG_EMPLOYEE e on s.EmployeeID = e.EmployeeID where p.state = 'Ny';
```

	lastName	FirstName
▶	Murphy	Jerry

	#	Time	Action	Message	Duration / Fetch
✓	30	07:24:49	SELECT COUNT(*) AS Num_Services_Corporation FROM SERVICE s JOIN PROPERTY p ...	1 row(s) returned	0.000 sec / 0.000 sec
✓	31	07:26:23	SELECT SUM(s.HoursWorked) AS TotalHours_Service_Corporation FROM SERVICE s JOI...	1 row(s) returned	0.000 sec / 0.000 sec
✓	32	07:27:54	SELECT e.LastName, e.FirstName, SUM(s.HoursWorked) AS TotalHoursWorked FROM GG...	1 row(s) returned	0.000 sec / 0.000 sec
✓	33	15:36:58	select EmployeeID, sum(Hoursworked) as TotalHoursworked from service group by Emplo...	2 row(s) returned	0.000 sec / 0.000 sec
✓	34	15:53:40	select distinct e.lastname,e.firstname from service s join property p on s.propertyID =p.proper...	3 row(s) returned	0.000 sec / 0.000 sec
✗	35	16:12:31	select distinct e.lastName,e.FirstName from service s join property p on s.propertyID =p.prope...	Error Code: 1146. Table 'data_analytics_batchb.gg_' doesn't exist	0.078 sec
✗	36	16:12:52	*question 18, Show the names of employees who have worked on a property in New York*/ ...	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds ...	0.015 sec
✗	37	16:15:10	select distinct e.lastName,e.FirstName from SERVICE s join property p on s.propertyID =p.pr...	Error Code: 1146. Table 'data_analytics_batchb.gg_' doesn't exist	0.000 sec
✓	38	16:16:42	select distinct e.lastName,e.FirstName from SERVICE s join property p on s.propertyID =p.pr...	1 row(s) returned	0.000 sec / 0.000 sec

Limit to 1000 rows

Administration Schemas

Result Grid Filter Rows: Export: Wrap Cell Content:

 Read Only

Action Output

Query 1 x owner gg_employee property service final sql project




```

2 • select e.EmployeeID, e.LastName, e.FirstName,sum(s.Hoursworked) as TotalHoursworked from gg_Employee e join service s
3   on e.EmployeeID
4  group by e.EmployeeID ,e.Lastname, e.Firstname order by TotalHoursworked asc;
5
6  /*question 20,Show names and Email of owners who have the property named 'Private Residence'*/
7 • select o.OwnerName,o.OwnerEmail from Owner o join property p on o.OwnerID =p.OwnerID
8  where p.PropertyName = 'private Residence';

```

Result Grid Filter Rows: Export: Wrap Cell Content:

	OwnerName	OwnerEmail
▶	Mary Jones	Mary.Jones@somewhere.com
	Sam Douglas	NULL
	Doug Samuels	Doug.Samuels@somewhere.com

Result 2 

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	1 16:49:05	select e.EmployeeID, e.LastName, e.FirstName,sum(s.Hoursworked) as TotalHoursworked fro...	5 row(s) returned	0.188 sec / 0.000 sec
✓	2 16:54:39	select o.OwnerName,o.OwnerEmail from Owner o join property p on o.OwnerID =p.OwnerID w...	3 row(s) returned	0.157 sec / 0.000 sec

MySQL Workbench

test DB connection - Warning... x unconnected x unconnected x unconnected x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- aillead_2024
- creating_tables
- data_analytics_batchb
 - Tables
 - gg_employee
 - owner
 - property
 - service

Administration Schemas

Information

No object selected

Query 1 x owner gg_employee property service final sql project

Limit to 1000 rows

```
9
10
11
12
13 /*question 21,Show the number of services on properties with owner's type as 'Corporation'.*/
14 • select count(*) as Num_Services_Corporation from service s join property p on s.PropertyID =p.PropertyID
15 join Owner o on p.OwnerID = o.OwnerID where o.OwnerType ='corporation';
```

Result Grid

	Num_Services_Corporation
▶	3

Result 3 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	16:49:05	select e.EmployeeID, e.LastName, e.FirstName,sum(s.Hoursworked) as TotalHoursworked fro...	5 row(s) returned	0.188 sec / 0.000 sec
✓ 2	16:54:39	select o.OwnerName,o.OwnerEmail from Owner o join property p on o.OwnerID =p.OwnerID w...	3 row(s) returned	0.157 sec / 0.000 sec
✓ 3	17:00:36	select count(*) as Num_Services_Corporation from service s join property p on s.PropertyID =p....	1 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

Query Completed

Filter objects

- ▼ Tables
 - ▶ gg_employee
 - ▶ owner
 - ▶ property
 - ▶ service

[illegible]


No object selected

17
18
19
20
21
22
23

```
20 /*question 22,Show the total hours of service on properties with owner type as 'Corporation'.*/
21 • select sum(s.Hoursworked) as TotalHours_service_corporation from service s join property p on
22 s.PropertyID= p.PropertyID join owner o on p.OwnerID =o.OwnerID where o.OwnerType ='corporation';
```

Result Grid Filter Rows: Export: Wrap Cell Content:

	TotalHours_service_corporation
▶	16.50

Result 4 

Read Only

Output

 Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	16:49:05	select e.EmployeeID, e.LastName, e.FirstName, sum(s.Hoursworked) as TotalHoursworked fro...	5 row(s) returned	0.188 sec / 0.000 sec
✓ 2	16:54:39	select o.OwnerName,o.OwnerEmail from Owner o join property p on o.OwnerID =p.OwnerID w...	3 row(s) returned	0.157 sec / 0.000 sec
✓ 3	17:00:36	select count(*) as Num_Services_Corporation from service s join property p on s.PropertyID =p....	1 row(s) returned	0.016 sec / 0.000 sec
✓ 4	17:08:24	select sum(s.Hoursworked) as TotalHours_service_corporation from service s join property p o...	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Query Completed

MySQL Workbench

test DB connection - Warning...

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigator

SCHEMAS

Filter objects

ailed_2024

creating_tables

data_analytics_batchb

Tables

gg_employee

owner

property

service

Administration

Schemas

Information

No object selected

Query 1

ownergg_employeepropertyservicefinal sql project

Limit to 1000 rows

27

28

29

30

31

32

33

34

/*question 23,Show the names of the employee who has worked most hours.*/

select e.lastname,e.FirstName,sum(s.Hoursworked) as TotalHoursworked from gg_employee e

join service s on e.EmployeeID =s.EmployeeID group by e.EmployeeID,e.LastName,e.FirstName

order by TotalHoursworked desc limit 1;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Fetch rows:

Result Grid

Form Editor

	lastname	FirstName	TotalHoursworked
	Murphy	Jerry	10.25

Result 6

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	16:49:05	select e.EmployeeID, e.LastName, e.FirstName,sum(s.Hoursworked) as TotalHoursworked fro...	5 row(s) returned	0.188 sec / 0.000 sec
✓ 2	16:54:39	select o.OwnerName,o.OwnerEmail from Owner o join property p on o.OwnerID =p.OwnerID w...	3 row(s) returned	0.157 sec / 0.000 sec
✓ 3	17:00:36	select count(*) as Num_Services_Corporation from service s join property p on s.PropertyID =p....	1 row(s) returned	0.016 sec / 0.000 sec
✓ 4	17:08:24	select sum(s.Hoursworked) as TotalHours_service_corporation from service s join property p o...	1 row(s) returned	0.000 sec / 0.000 sec
✓ 5	17:23:04	select e.lastname,e.FirstName,sum(s.Hoursworked) as TotalHoursworked from gg_employee e ...	5 row(s) returned	0.016 sec / 0.000 sec
✓ 6	17:24:15	select e.lastname,e.FirstName,sum(s.Hoursworked) as TotalHoursworked from gg_employee e ...	1 row(s) returned	0.016 sec / 0.000 sec

Object Info

Session