

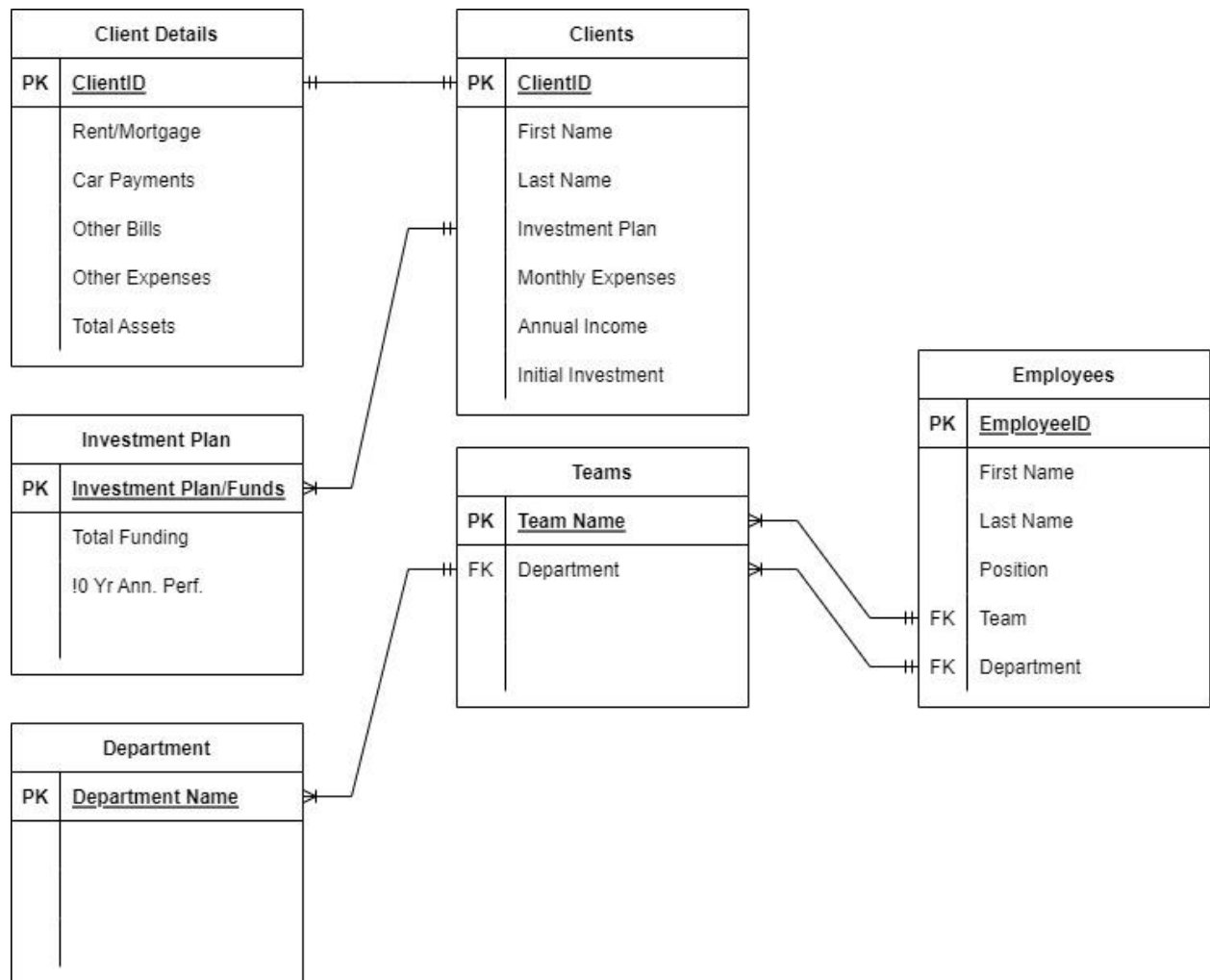
Investment Firm Management

Hunter Douglas

This is the database for HD capital(This is a fictional investment firm I made up). This database covers client information, different types of investments open to investors, employees, teams, and departments within the firm. The brief client information contains their name, chosen investment plan, monthly expenses, annual income, initial investment, and total investments. Investment plans and funds are shown with total funding allocated to each one as well as their 10 year annualized performance. The brief employee information contains their name, position held at the company, the team they are in, and the department the team is in.

Business Rules:

- One Investment Plan/Fund can be used by several clients,
- One Department can have several teams,
- One Department can have several Employees,
- One Team can have several Employees.



Clients:

MySQL Workbench

Local instance MySQL80

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Navigator

SCHMAS

financialfirm

client details

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teams

Views

Stored Procedures

Functions

sys

1 SELECT * FROM financialfirm.clients;

Result Grid

ClientID	First Name	Last Name	Investment Plan	Monthly Expenses	Annual Income	Initial Investment
1	Tom	Cat	Active	\$5,200	\$200,000	\$100,000
2	Jerry	Mouse	Passive	\$4,100	\$400,000	\$300,000
3	Charlie	Brown	Hybrid	\$5,400	\$320,000	\$150,000
4	Peppermint	Patty	Passive	\$4,300	\$280,000	\$125,000
5	Snoopy	Brown	Hybrid	\$3,300	\$160,000	\$250,000
6	Lucy	Pelt	Active	\$4,800	\$300,000	\$200,000
7	Courage	Cowardlydog	Passive	\$3,100	\$450,000	\$500,000
8	Theodore	Devidler	Active	\$6,300	\$600,000	\$900,000
9	Tommy	Pickles	Hybrid	\$12,000	\$1,050,000	\$800,000
10	Timmy	Turner	Active	\$10,100	\$850,000	\$500,000

Administration Schemas

Information

Table: client details

Columns:

ClientID int(11) PK

Rent/Mor varchar(255)

Payments varchar(255)

Other Bills varchar(255)

Expenses varchar(255)

Total Assets varchar(255)

Object Info Session

SQL Additions

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

clients 1 x

Output

Action Output

Time Action

86 10:17:19 INSERT INTO financialfirm.departments (Department Name) VALUES (Recruitment)

Message

1062: Duplicate entry 'Recruitment' for key 'departments.PRIMARY'

Duration / Fetch

87 10:17:47 SELECT * FROM financialfirm.departments LIMIT 0, 1000

9 row(s) returned

0.000 sec / 0.000 sec

Investment Plan:

MySQL Workbench

Local instance MySQL80

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sys

1 SELECT * FROM financialfirm.investment plan;

Result Grid

Investment Plan/Fund	Total Funding	10 Year Annualized Performance
Active Portfolio Management	\$950,000	26.92%
Commodities Fund	\$550,000	33.23%
Equities Fund	\$600,000	24.54%
Fixed Income Fund	\$450,000	40.79%
Generation Alpha Fund	\$400,000	46.79%
Hybrid Portfolio Management	\$1,650,000	39.65%
Light Tower Fund	\$725,000	22.89%
Low Tide Fund	\$275,000	38.02%
Open Saf Fund	\$675,000	39.28%
Passive Portfolio Management	\$2,300,000	35.79%

Administration Schemas

Information

Table: client details

Columns:

ClientID int(11) PK

Rent/Mor varchar(255)

Payments varchar(255)

Other Bills varchar(255)

Expenses varchar(255)

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investment plan 1 x

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Client Details:

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Local instance MySQL80

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Navigator

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Filter objects

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Functions

sys

1 SELECT * FROM financialfirm.client details;

Result Grid

ClientID	Rent/Mortgage	Car Payments	Other Bills	Other Expenses	Total Assets
1	\$1,900	\$1,450	\$400	\$2,250	\$1,100,000
2	\$1,100	\$600	\$350	\$2,050	\$2,650,000
3	\$2,100	\$1,900	\$375	\$1,025	\$1,550,000
4	\$2,000	\$900	\$225	\$1,375	\$2,120,000
5	\$1,250	\$700	\$250	\$1,000	\$1,900,000
6	\$2,300	\$1,000	\$300	\$1,200	\$3,110,000
7	\$1,700	\$350	\$250	\$600	\$2,700,000
8	\$3,000	\$1,800	\$300	\$1,100	\$8,000,000
9	\$4,500	\$2,500	\$500	\$4,50	\$10,200,000
10	\$5,100	\$2,100	\$550	\$2,350	\$9,320,000

client details 1 x

Output

Action Output

86 10:17:19 INSERT INTO financialfirm.departments (Department Name) VALUES (Recruitment)

87 10:17:47 SELECT * FROM financialfirm.departments LIMIT 0, 1000

Message

1062 Duplicate entry 'Recruitment' for key 'departments.PRIMARY'

5 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.

Departments:

MySQL Workbench

Local instance MySQL80

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Functions

sys

1 SELECT * FROM financialfirm.client details;

Result Grid

ClientID	Rent/Mortgage	Car Payments	Other Bills	Other Expenses	Total Assets
1	\$1,900	\$1,450	\$400	\$2,250	\$1,100,000
2	\$1,100	\$600	\$350	\$2,050	\$2,650,000
3	\$2,100	\$1,900	\$375	\$1,025	\$1,550,000
4	\$2,000	\$900	\$225	\$1,375	\$2,120,000
5	\$1,250	\$700	\$250	\$1,000	\$1,900,000
6	\$2,300	\$1,000	\$300	\$1,200	\$3,110,000
7	\$1,700	\$350	\$250	\$600	\$2,700,000
8	\$3,000	\$1,800	\$300	\$1,100	\$8,000,000
9	\$4,500	\$2,500	\$500	\$4,50	\$10,200,000
10	\$5,100	\$2,100	\$550	\$2,350	\$9,320,000

client details 1 x

Output

Action Output

86 10:17:19 INSERT INTO financialfirm.departments (Department Name) VALUES (Recruitment)

87 10:17:47 SELECT * FROM financialfirm.departments LIMIT 0, 1000

Message

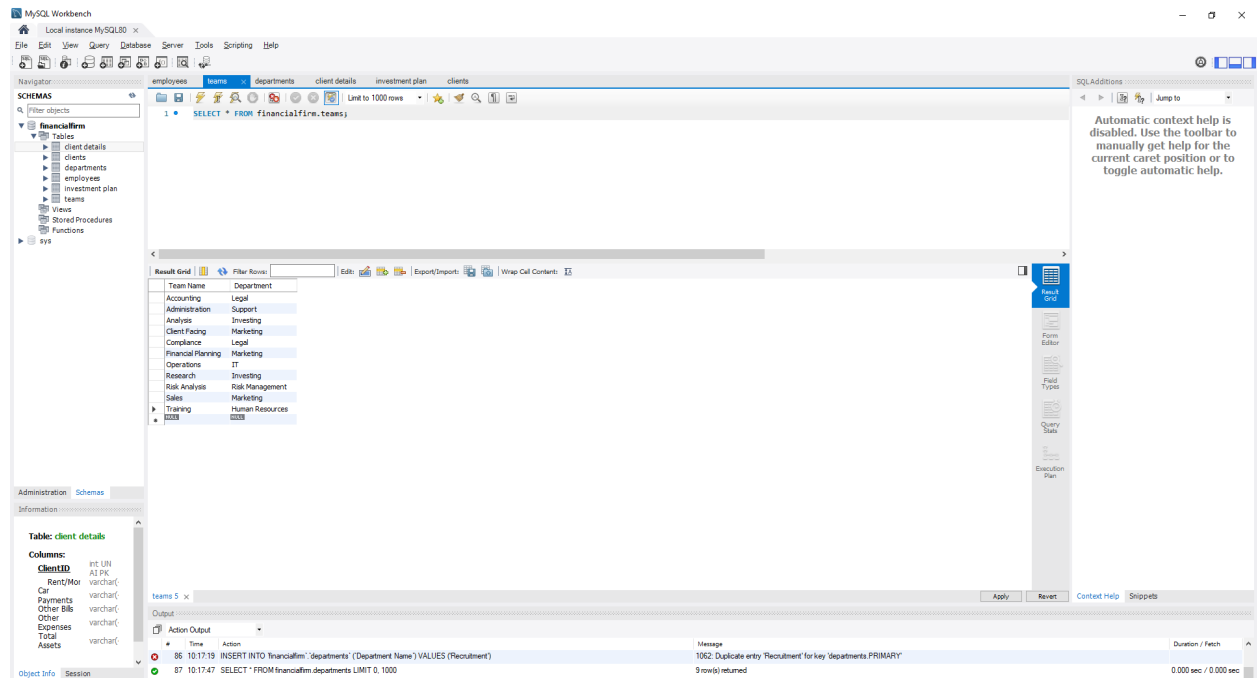
1062 Duplicate entry 'Recruitment' for key 'departments.PRIMARY'

5 row(s) returned

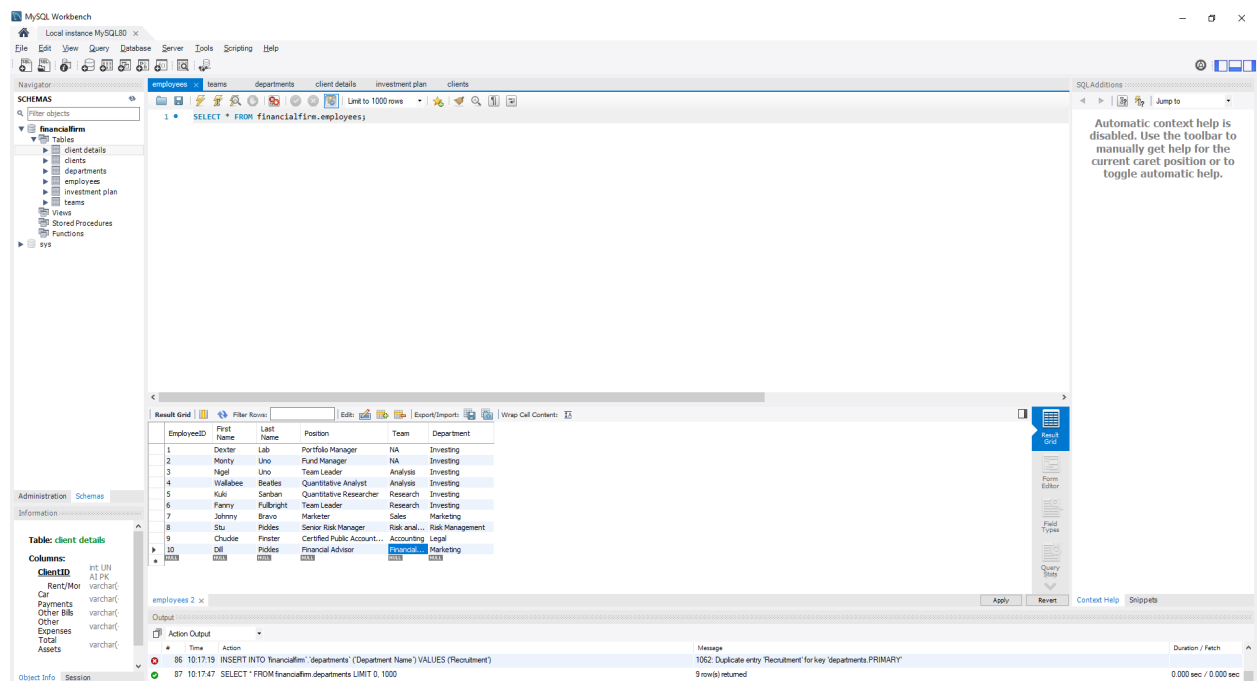
0.000 sec / 0.000 sec

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

Teams:

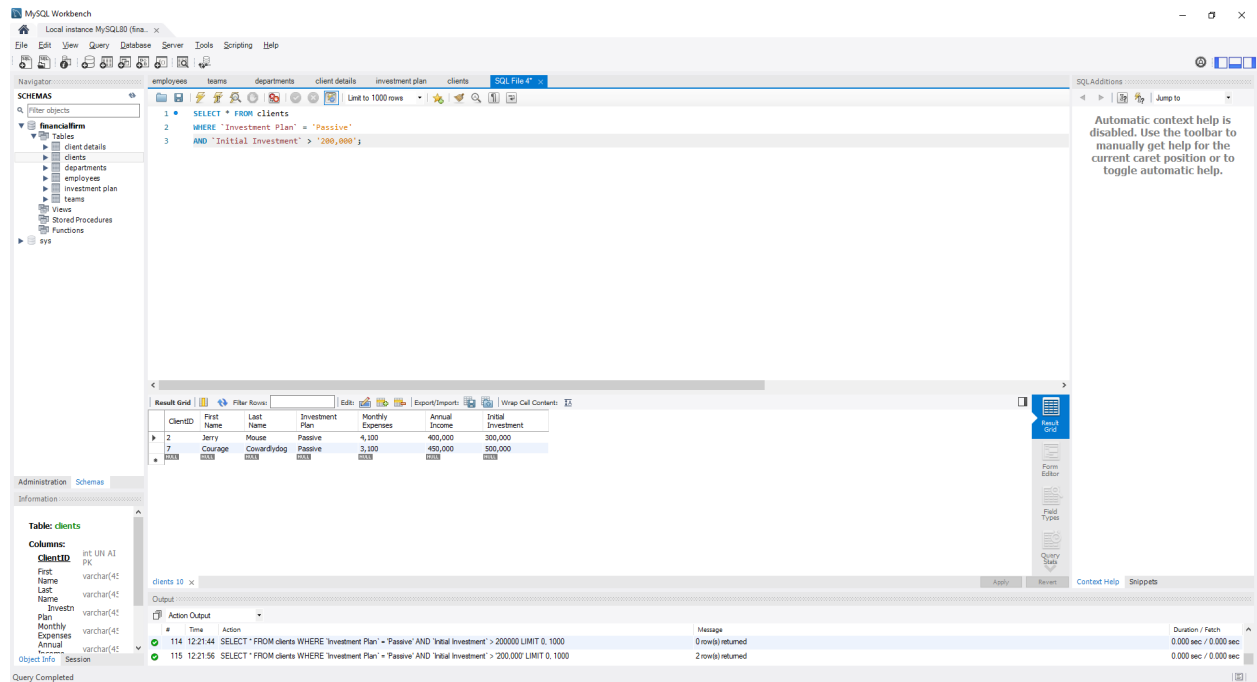


Employees:

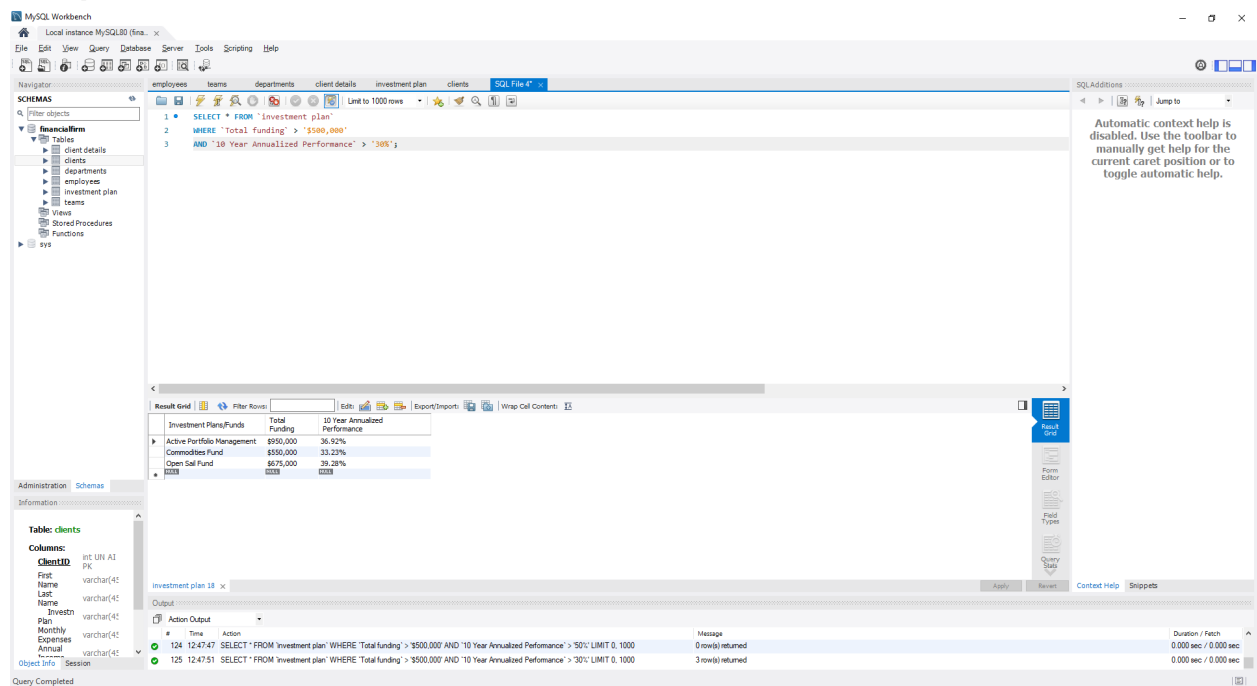


Data Retrieval:

Sample one



Sample two



Sample three

MySQL Workbench

Local instance MySQL80 (fin...

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Navigation: employees teams departments client details investment plan clients SQL File C

SCHMAS

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sys

1 SELECT * FROM 'client details'

2 WHERE 'Rent/Mortgage' < '\$2,000'

3 AND 'Total Assets' > '\$1,000,000'

Result Grid

ClientID	Rent/Mortgage	Car Payments	Other Bills	Other Expenses	Total Assets
1	\$1,900	\$1,450	\$400	\$2,250	\$1,100,000
2	\$1,100	\$600	\$350	\$2,000	\$2,650,000
5	\$1,250	\$700	\$250	\$1,000	\$1,900,000
7	\$1,700	\$350	\$250	\$800	\$2,700,000

client details 20 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
126	12:52:22	SELECT * FROM 'client details' WHERE 'Rent/Mortgage' < '\$2,000' AND 'Total Assets' > '\$1,000,000' LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
127	12:52:20	SELECT * FROM 'client details' WHERE 'Rent/Mortgage' < '\$2,000' AND 'Total Assets' > '\$1,000,000' LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

Query Completed

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

Sample four

MySQL Workbench

Local instance MySQL80 (fin...

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Navigation: employees teams departments client details investment plan clients SQL File C

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sys

1 SELECT * FROM 'teams'

2 WHERE 'Department' = 'Investing'

Result Grid

Team Name	Department
Analysis	Investing
Research	Investing

teams 21 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
130	12:54:11	SELECT * FROM 'teams' WHERE 'Department' = 'Investing' LIMIT 0, 1000	Error Code: 1054 Unknown column 'Department' in 'where clause'	0.000 sec
131	12:54:32	SELECT * FROM 'teams' WHERE 'Department' = 'Investing' LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

Query Completed

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

Sample five

MySQL Workbench

Local instance MySQL80 (fin...

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Navigation

SCHMAS

Filter objects

financialfirm

- client details
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- departments
- employee
- Investment plan
- teams
- Views
- Stored Procedures
- Functions

sys

employees teams departments client details investment plan clients SQL: Edit C

```
1 SELECT * FROM `employees`  
2 WHERE `Department` = 'Investing'  
3 AND `Team` = 'Analysis';
```

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

Result Grid

EmployeeID	First Name	Last Name	Position	Team	Department
3	Miguel	Uro	Team Leader	Analysis	Investing
4	Walid	Beales	Quantitative Analyst	Analysis	Investing

employees 22 x

Apply Revert Context Help Snippets

Information

Table: clients

Columns:

- ClientID int(11) AI PK
- First Name varchar(45)
- Last Name varchar(45)
- Investment Plan varchar(45)
- Monthly Expenses varchar(45)
- Annual Revenue varchar(45)

Object Info

Session

Action Output

#	Time	Action	Message	Duration / Fetch
131	12:54:32	SELECT * FROM `teams` WHERE `Department` = 'Investing' LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
132	12:55:49	SELECT * FROM `employees` WHERE `Department` = 'Investing' AND `Team` = 'Analysis' LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

Query Completed