

## Fundme

**A single SQL script that can be used to create all the tables and data in the database. If you are using multiple scripts while developing, ensure you concatenate them and hand in only a SINGLE SQL script.**

Path: project/db-setup.sql

These are assertions we did not add to oracle but should have been added:

- PostalCode\_Location is referenced by at least one Payment Information
- Project has at least one associated Payment Tier

### **A short description of the final project, and what it accomplished.**

Our final project models a crowdfunding website. As it stands, the website allows users to login, view a list of active projects on the main page, and manage their payment methods. Users can also search for any type of project, see who has donated to each project, and view the top contributors on the platform. Regarding project management, organizations can see the posts and comments made on their project pages and have the ability to delete them.

### **Schema:**

Account(Username, Password (not null), CreationDate, Email (unique, not null))

USERNAME	PASSWORD	CREATIONDATE	EMAIL
cmcdavid1	\$2a\$10\$1luJ2D3Zd59SGvD1YsgHu.Nlq	2023-03-15T08:00:00.000Z	cmcdavid@gmail.com
ntesla12	\$2a\$10\$4bLtdJGRkOk3nThXVXnln.hJd	2023-04-22T08:00:00.000Z	ntesla@gmail.com
aeinstein30	\$2a\$10\$25WtfUkm4WNLxp2SaTajk.19r	2023-06-10T08:00:00.000Z	aeinstein@gmail.com
pshelby1	\$2a\$10\$BSO5cwDvoAsq6B1Zkqk57uYI	2023-07-29T08:00:00.000Z	pshelby@gmail.com
tshebs	\$2a\$10\$YqqVWhpDjuXJ5dQCnqdeJeD	2023-08-18T08:00:00.000Z	tshelby@gmail.com
ashebs12	\$2a\$10\$g5aT871jbAwAiuj96GPuKe8dA	2023-08-18T08:00:00.000Z	artshelby@gmail.com
nomoney10	\$2a\$10\$i9jnhHHx9pczz/cCfzDaOeYnui	2023-08-20T08:00:00.000Z	igotnomoney@gmail.com
wildlife	\$2a\$10\$SjwiWKGlqgdp98aFw5HkTuV7	2023-01-18T08:00:00.000Z	wlsaver@gmail.com
globewarm	\$2a\$10\$3qTBnT5jpvHfak6LnUql2eN88	2023-04-12T08:00:00.000Z	gwarm@gmail.com
ubcneedsmoney	\$2a\$10\$k5sRUA5B.6fsWuwzHmG10.hf	2023-10-05T08:00:00.000Z	ubc@gmail.com
sfuneedsmoney	\$2a\$10\$gXEuvQXj0tZYoU0vg31bcOuS	2023-10-12T08:00:00.000Z	sfo@gmail.com
fundbenslife	\$2a\$10\$LRXBpN5tcRrHvMgviJ76N.MV	2023-07-12T08:00:00.000Z	fundben@gmail.com

**PostalCode\_Location(PostalCode, City (not null), Province (not null))**

POSTALCODE	CITY	PROVINCE
M5H1W7	Toronto	ON
H2X1L4	Montreal	QC
V6Z1K7	Vancouver	BC
E1C4P9	Moncton	NB
L5N2X2	Mississauga	ON

**Individual(Username, DateOfBirth, FirstName, LastName)**

USERNAME	DATEOFBIRTH	FIRSTNAME	LASTNAME
cmcdavid1	1990-05-15T08:00:00.000Z	Connor	McDavid
ntesla12	1950-01-12T08:00:00.000Z	Nikola	Tesla
aeinstein30	1960-11-20T08:00:00.000Z	Albert	Einstein
tshebs	1900-02-21T08:00:00.000Z	Tommy	Shelby
ashebs12	1895-05-10T08:00:00.000Z	Arthur	Shelby
pshelby1	1894-10-11T08:00:00.000Z	Polly	Shelby
nomoney10	1970-11-06T08:00:00.000Z	Dan	NoMoney

**PaymentInformation(CCNumber, IUsername (not null), CVV (not null), Address (not null), **PostalCode** (not null))**

CCNUMBER	IUSERNAME	CVV	ADDRESS	POSTALCODE
1111222233334444	cmcdavid1	123	123 Main St	M5H1W7
2222333344445555	ntesla12	456	456 Elm St	H2X1L4
3333444455556666	aeinstein30	789	789 Oak St	V6Z1K7
4444555566667777	pshelby1	234	234 Pine St	E1C4P9
555566677788888	tshebs	567	567 Cedar St	L5N2X2
1234123412341234	ashebs12	111	111 Cedar St	L5N2X2

**Organization(Username, FoundedDate, OrgName (unique, not null))**

USERNAME	FOUNDEDDATE	ORGNAME
wildlife	2000-08-15T08:00:00.000Z	Wildlife Preservation Inc
globewarm	1950-10-11T08:00:00.000Z	Global Warming is Real
ubcneedsmoney	2023-10-11T08:00:00.000Z	Give UBC Money Please
sfuneedsmoney	2023-10-11T08:00:00.000Z	Give SFU Money Please
fundbenslife	2023-10-11T08:00:00.000Z	Ben Wants Money

**OrganizationCreatesProject(ProjectName, OUsername (not null), Description, Balance (not null))**

PROJECTNAME	OUSERNAME	DESCRIPTION	BALANCE
Help Pandas	wildlife	Pandas are going extinct. Send money.	100000
Help Lions	wildlife	Lions are going extinct. Send money.	3000
Help Snakes	wildlife	Snakes are going extinct. Send money.	400
Help Zebras	wildlife	Zebras are going extinct. Send money.	1610
Help Fishies	wildlife	fishies are going extinct. Send money.	8020
Stop Global Warming	globewarm	Hot in Herre by Nelly	10
Open more CPSC110 sections	ubcneedsmoney	Trust the natural recursion	300
Open more CPSC210 sections	ubcneedsmoney	Java	40
Bens Fund	fundbenslife	Ben needs money.	0

**OrganizationCreatesPost(PostId, OUsername (not null), ProjectName (not null), Content (not null), ImageURL, Timestamp)**

POSTID	OUSERNAME	PROJECTNAME	CONTENT	IMAGEURL	TIMESTAMP
1	wildlife	Help Pandas	Donate to help our pandas	<a href="https://i.ebayimg.com/imag">https://i.ebayimg.com/imag</a>	2023-11-30T23:20:07.479Z
2	globewarm	Stop Global Warming	Time is running out.	<a href="https://atmos.earth/wp-cor">https://atmos.earth/wp-cor</a>	2023-11-30T23:20:07.487Z
3	globewarm	Stop Global Warming	For a green future.	<a href="https://cdn.wionews.com/si">https://cdn.wionews.com/si</a>	2023-11-30T23:20:07.494Z
4	ubcneedsmoney	Open more CPSC110 sectic	Overcrowded CPSC Lecture	<a href="https://i.cbc.ca/1.4826104.">https://i.cbc.ca/1.4826104.</a>	2023-11-30T23:20:07.501Z
5	fundbenslife	Bens Fund	Help me get to class.	<a href="https://m.media-amazon.cc">https://m.media-amazon.cc</a>	2023-11-30T23:20:07.508Z
6	wildlife	Help Pandas	Friendly reminder to donate	<a href="https://m.media-amazon.cc">https://m.media-amazon.cc</a>	2023-11-30T23:20:07.515Z

**AccountWritesCommentOnPost(CommentID, Username (not null), PostID (not null), Timestamp, Content (not null))**

COMMENTID	USERNAME	POSTID	TIMESTAMP	CONTENT
1	tshebs	5	2023-11-30T23:20:07.531Z	We're gonna get ye that red bike and we hope !
2	cmcdavid1	4	2023-11-30T23:20:07.538Z	No mean to chirp but that's a crazy
3	wildlife	3	2023-11-30T23:20:07.545Z	Glad to see others doing something about the
4	ashebs12	2	2023-11-30T23:20:07.553Z	No way
5	ashebs12	1	2023-11-30T23:20:07.560Z	I love pandas
6	tshebs	1	2023-11-30T23:20:07.567Z	Pandas remind me of the dead
7	wildlife	1	2023-11-30T23:20:07.574Z	Glad some of you like pandas. I really like them
8	fundbenslife	1	2023-11-30T23:20:07.583Z	Nah you should donate to me so I can buy a ne
9	fundbenslife	1	2023-11-30T23:20:07.629Z	That is selfish of you
10	cmcdavid1	1	2023-11-30T23:20:07.636Z	Buy me a new twig bud
11	ashebs12	5	2023-11-30T23:20:07.642Z	Ah a nice racing red
12	ashebs12	6	2023-11-30T23:20:07.651Z	Jack black isn't a panda
13	ashebs12	6	2023-11-30T23:20:07.657Z	Yeah he is
14	cmcdavid1	6	2023-11-30T23:20:07.664Z	Oilers suck right now
15	cmcdavid1	1	2023-11-30T23:20:07.671Z	I dislike the oilers
16	cmcdavid1	2	2023-11-30T23:20:07.678Z	I dislike the oilers
17	cmcdavid1	3	2023-11-30T23:20:07.685Z	I dislike the oilers
18	cmcdavid1	4	2023-11-30T23:20:07.692Z	I dislike the oilers
19	cmcdavid1	5	2023-11-30T23:20:07.699Z	I dislike the oilers

Individual\_makes\_Contribution(Username, ProjectName (not null), Amount (not null), Timestamp)

IUSERNAME	PROJECTNAME	AMOUNT	TIMESTAMP
cmcdavid1	Help Pandas	97	2023-11-30T23:20:07.714Z
cmcdavid1	Help Lions	97	2023-11-30T23:20:07.721Z
cmcdavid1	Help Snakes	97	2023-11-30T23:20:07.730Z
cmcdavid1	Help Zebras	97	2023-11-30T23:20:07.735Z
cmcdavid1	Help Fishies	97	2023-11-30T23:20:07.742Z
cmcdavid1	Stop Global Warming	97	2023-11-30T23:20:07.748Z
cmcdavid1	Open more CPSC110 sections	97	2023-11-30T23:20:07.975Z
cmcdavid1	Open more CPSC210 sections	97	2023-11-30T23:20:07.982Z
ntesla12	Help Pandas	15	2023-11-30T23:20:07.988Z
ntesla12	Stop Global Warming	230	2023-11-30T23:20:07.995Z
ntesla12	Help Lions	150	2023-11-30T23:20:08.001Z
ntesla12	Help Fishies	2000	2023-11-30T23:20:08.007Z
ntesla12	Help Fishies	1	2023-11-30T23:20:08.014Z
ntesla12	Help Fishies	2	2023-11-30T23:20:08.020Z
ntesla12	Help Fishies	3	2023-11-30T23:20:08.026Z
aeinstein30	Help Lions	100	2023-11-30T23:20:08.032Z
aeinstein30	Help Zebras	50	2023-11-30T23:20:08.062Z
aeinstein30	Stop Global Warming	50	2023-11-30T23:20:08.069Z
aeinstein30	Stop Global Warming	10	2023-11-30T23:20:08.076Z
aeinstein30	Stop Global Warming	42	2023-11-30T23:20:08.082Z
aeinstein30	Stop Global Warming	100	2023-11-30T23:20:08.089Z

tshebs	Help Pandas	68	2023-11-30T23:20:08.103Z
tshebs	Help Pandas	60	2023-11-30T23:20:08.109Z
tshebs	Bens Fund	7	2023-11-30T23:20:08.116Z
tshebs	Bens Fund	1	2023-11-30T23:20:08.122Z
tshebs	Bens Fund	2	2023-11-30T23:20:08.131Z
tshebs	Help Lions	1	2023-11-30T23:20:08.138Z
tshebs	Help Lions	1	2023-11-30T23:20:08.143Z
tshebs	Help Lions	1	2023-11-30T23:20:08.147Z
tshebs	Help Lions	1	2023-11-30T23:20:08.152Z
tshebs	Help Lions	1	2023-11-30T23:20:08.157Z
tshebs	Help Lions	1	2023-11-30T23:20:08.162Z
tshebs	Help Lions	1	2023-11-30T23:20:08.166Z
tshebs	Help Zebras	2	2023-11-30T23:20:08.174Z
tshebs	Help Lions	1	2023-11-30T23:20:08.181Z
tshebs	Help Lions	5	2023-11-30T23:20:08.187Z
ashebs12	Open more CPSC110 sections	100	2023-11-30T23:20:08.193Z
ashebs12	Help Snakes	500	2023-11-30T23:20:08.201Z
ashebs12	Help Fishies	10	2023-11-30T23:20:08.209Z
pshelby1	Help Snakes	58	2023-11-30T23:20:08.237Z
pshelby1	Help Snakes	20	2023-11-30T23:20:08.243Z
pshelby1	Help Snakes	1	2023-11-30T23:20:08.250Z
pshelby1	Help Snakes	100	2023-11-30T23:20:08.258Z
pshelby1	Help Fishies	10	2023-11-30T23:20:08.264Z
pshelby1	Help Fishies	10	2023-11-30T23:20:08.269Z
pshelby1	Help Fishies	20	2023-11-30T23:20:08.277Z

## Reward(RewardName, OUsername)

OUSERNAME	REWARDNAME
wildlife	T-Shirt
wildlife	Water Bottle
globewarm	Discount Code
ubcneedsmoney	Tesla Model S
fundbenslife	CEOs Favorite Hat

### Individual\_receives\_Reward(**RewardName**, **IUsername**)

REWARDNAME	IUSERNAME
CEOs Favorite Hat	tshebs
Discount Code	aeinstein30
T-Shirt	tshebs
Tesla Model S	ashebs12
Water Bottle	ntesla12

### PaymentTier(**PayTierID**, **ProjectName** (not null), **OUUsername** (not null), **Description**, **minAmount** (not null), **maxAmount** (not null))

PAYTIERID	PROJECTNAME	OUUSERNAME	DESCRIPTION	MINAMOUNT	MAXAMOUNT
1	Help Pandas	wildlife	Donate 50\$ and receive a t-	50	100
2	Help Pandas	wildlife	Donate 100\$ and receive a v	100	250
3	Stop Global Warming	globewarm	Donate 10\$ and receive a di	10	10
4	Open more CPSC210 sectio	ubcneedsmoney	Donate >=100000\$ and rece	100000	1000000
5	Bens Fund	fundbenslife	Donate enough money for a	5	1000000

### PaymentTier\_has\_Reward(**PayTierID**, **RewardName**)

PAYTIERID	REWARDNAME
1	T-Shirt
2	Water Bottle
3	Discount Code
4	Tesla Model S
5	CEOs Favorite Hat

A list of all SQL queries used and where it can be found in the code:

Query	project/queries/file Name	Code Line Numbers
Insert	payment.js	53-79
Delete	posts.js	37
Update	payment.js	110-123
Selection	selection.js	4-64
Projection	projection.js	31-36
Join	join.js	3-18
Aggregation with GROUP BY	aggregation.js	22-35
Aggregation with HAVING	aggregation-having.js	3-17
Nested Aggregation with GROUP BY	aggregation.js	5-20
Division	organization.js	51-58

## Query Screenshots

### Insert:

- Before

Output ORA_AFENTO.PAYMENTINFORMATION					
	CCNUMBER	IUSERNAME	CVV	ADDRESS	POSTALCODE
1	1111222233334444	cmcdaid1	123	123 Main St	M5H1W7
2	2222333344445555	ntesla12	456	456 Elm St	H2X1L4
3	3333444455556666	aeinstein30	789	789 Oak St	V6Z1K7
4	4444555566667777	pshelby1	234	234 Pine St	E1C4P9
5	5555666777788888	tshebs	567	567 Cedar St	L5N2X2
6	1234123412341234	ashebs12	111	111 Cedar St	L5N2X2

Output ORA\_AFENTO.POSTALCODE\_LOCATION

< < 5 rows > >| ⏪ ⏴ + - ⏵ ⏶ ⏷ Tx: Mar

	POSTALCODE	CITY	PROVINCE
1	M5H1W7	Toronto	ON
2	H2X1L4	Montreal	QC
3	V6Z1K7	Vancouver	BC
4	E1C4P9	Moncton	NB
5	L5N2X2	Mississauga	ON

- During

# Payment Information

## Existing Credit Cards

CCNumber: 1111222233334444

CVV: 123

Address: 123 Main St

Postal Code: M5H1W7

City: Toronto

Province: ON

Modify

## Add a New Credit Card

Credit Card Number:

CVV:

Address:

PostalCode:

City:

Province:

Add Payment Info

- After

The screenshot shows two database tables in Oracle Database SQL Developer:

**ORA\_AFENTO.PAYMENTINFORMATION**

	CCNUMBER	IUSERNAME	CVV	ADDRESS	POSTALCODE
1	1111222233334444	cmcdavid1	123	123 Main St	M5H1W7
2	2222333344445555	ntesla12	456	456 Elm St	H2X1L4
3	333344455556666	aeinstein30	789	789 Oak St	V6Z1K7
4	4444555566667777	pshelby1	234	234 Pine St	E1C4P9
5	5555666777788888	tshebs	567	567 Cedar St	L5N2X2
6	1234123412341234	ashebs12	111	111 Cedar St	L5N2X2
7	1234432112344321	cmcdavid1	333	4000 Hudson	ABC123

**ORA\_AFENTO.POSTALCODE\_LOCATION**

	POSTALCODE	CITY	PROVINCE
1	M5H1W7	Toronto	ON
2	H2X1L4	Montreal	QC
3	V6Z1K7	Vancouver	BC
4	E1C4P9	Moncton	NB
5	L5N2X2	Mississauga	ON
6	ABC123	Vancouver	BC

### Delete:

- Before (post and associated comments):

The screenshot shows two database tables in Oracle Database SQL Developer:

**ORA\_AFENTO.ORGANIZATION\_CREATES\_POST**

	POSTID	USERNAME	PROJECTNAME	CONTENT	IMAGEURL	TIMESTAMP
1	1	wildlife	Help Pandas	Donate to help our pandas out!	<a href="https://i.ebayimg.com/images/g/770AA0SwmYFjG-6w/s-l1600.jpg">https://i.ebayimg.com/images/g/770AA0SwmYFjG-6w/s-l1600.jpg</a>	2023-12-01 14:45:49.931464

**ORA\_AFENTO.ACOUNT\_W...RITES\_COMMENT\_ON\_POST**

	COMMENTID	USERNAME	POSTID	TIMESTAMP	CONTENT
1	5	ashebs12	1	2023-12-01 14:45:50.232788	I love pandas
2	6	tshebs	1	2023-12-01 14:45:50.243170	Pandas remind me of the dead
3	7	wildlife	1	2023-12-01 14:45:50.263445	Glad some of you like pandas. i really like them a lo...
4	8	fundbenslife	1	2023-12-01 14:45:50.275336	Nah you should donate to me so i can buy a new laptop
5	9	fundbenslife	1	2023-12-01 14:45:50.318027	That is selfish of you
6	10	cmcdavid1	1	2023-12-01 14:45:50.328184	Buy me a new twig bud
7	15	cmcdavid1	1	2023-12-01 14:45:50.431672	I dislike the oilers

- During (click 'delete post'):

Welcome Projects Profile Organizations See Project Top Recurring  
Everything Donors Searcher Contributors Contributors

**Project: Help Pandas**

Organization: wildlife

Pandas are going extinct. Send money.

Current balance: 100000

Donate 50\$ and receive a t-shirt

[Donate](#)

Donate 100\$ and receive a water bottle

[Donate](#)

**Posts:**

Posted at: 2023-11-30T22:50:02.280Z [Delete post](#)

Donate to help our pandas out!



[Show Comments](#)

Posted at: 2023-11-30T22:50:02.334Z [Delete post](#)

Friendly reminder to donate to help some pandas!



- After (post and associated comments removed; searching for postId = 1 here):

The image shows two separate database table interfaces from an Oracle Database client.

**Top Table:** ORA\_AFENTO.ORGANIZATION\_CREATES\_POST

- Columns: POSTID, USERNAME, PROJECTNAME, CONTENT, IMAGEURL
- Data: 0 rows

**Bottom Table:** ORA\_AFENTO.ACCT\_W...RITES\_COMMENT\_ON\_POST

- Columns: COMMENTID, USERNAME, POSTID, TIMESTAMP, CONTENT
- Data: 0 rows

### Update:

- Before:

The image shows two separate database table interfaces from an Oracle Database client.

**Left Table:** ORA\_AFENTO.PAYMENTINFORMATION

- Columns: CCNUMBER, IUSERNAME, CVV, ADDRESS, POSTALCODE
- Data (7 rows):
 

1	1111222233334444	cmcdavid1	123	123 Main St	M5H1W7
2	2222333344445555	ntesla12	456	456 Elm St	H2X1L4
3	333344455556666	aeinstein30	789	789 Oak St	V6Z1K7
4	4444555566667777	pshelby1	234	234 Pine St	E1C4P9
5	5555666777788888	tshebs	567	567 Cedar St	L5N2X2
6	1234123412341234	ashebs12	111	111 Cedar St	L5N2X2
7	1234432112344321	cmcdavid1	333	4000 Hudson	ABC123

**Right Table:** ORA\_AFENTO.POSTALCODE\_LOCATION

- Columns: POSTALCODE, CITY, PROVINCE
- Data (6 rows):
 

1	M5H1W7	Toronto	ON
2	H2X1L4	Montreal	QC
3	V6Z1K7	Vancouver	BC
4	E1C4P9	Moncton	NB
5	L5N2X2	Mississauga	ON
6	ABC123	Vancouver	BC

- During (signed in as cmcdavid1)

## Payment Information

### Existing Credit Cards

1234432112344321  
 333 ->   
 4000 Hudson ->   
 ABC123 ->   
 Vancouver ->   
 BC ->

**Confirm**

CCNumber: 1111222233334444  
 CVV: 123  
 Address: 123 Main St  
 Postal Code: M5H1W7  
 City: Toronto  
 Province: ON

**Modify**

- After

ORA_AFENTO.PAYMENTINFORMATION					
	CCNUMBER	IUSERNAME	CVV	ADDRESS	POSTALCODE
1	1111222233334444	cmcdavid1	111	4444 no3 road	ABC342
2	2222333344445555	ntesla12	456	456 Elm St	H2X1L4
3	333344455556666	aeinstein30	789	789 Oak St	V6Z1K7
4	4444555566667777	pshelby1	234	234 Pine St	E1C4P9
5	5555666777788888	tshebs	567	567 Cedar St	L5N2X2
6	1234123412341234	ashebs12	111	111 Cedar St	L5N2X2

Output ORA\_AFENTO.POSTALCODE\_LOCATION

	POSTALCODE	CITY	PROVINCE
1	ABC342	Richmond	BC
2	M5H1W7	Toronto	ON
3	H2X1L4	Montreal	QC
4	V6Z1K7	Vancouver	BC
5	E1C4P9	Moncton	NB
6	L5N2X2	Mississauga	ON

### Selection:

- Before

Output ORA\_AFENTO.ORGANIZATION\_CREATES\_PROJECT

	PROJECTNAME	USERNAME	DESCRIPTION	BALANCE
1	Help Pandas	wildlife	Pandas are going extinct. Send money.	100000
2	Help Lions	wildlife	Lions are going extinct. Send money.	3000
3	Help Snakes	wildlife	Snakes are going extinct. Send money.	400
4	Help Zebras	wildlife	Zebras are going extinct. Send money.	1610
5	Help Fishies	wildlife	fishies are going extinct. Send money.	8020
6	Stop Global Warming	globewarm	Hot in Herre by Nelly	10
7	Open more CPSC110 sections	ubcneedsmoney	Trust the natural recursion	300
8	Open more CPSC210 sections	ubcneedsmoney	Java	40
9	Bens Fund	fundbenslife	Ben needs money.	0

- During

Selection Query

Search for any project(s)

Add Query Parameter	Project Name	Projects	Username	Description	Balance
		No existing projects meet the given criteria			
Fetch					

### Selection Query

Search for any project(s)

Project Name  includes Help

AND

Balance >  1000

OR

Project Name  equals Stop Global Warming

Add Query Parameter OR Project Name

**Fetch**

Projects	Username	Description	Balance
No existing projects meet the given criteria			

### Selection Query

Search for any project(s)

Project Name  includes Help

AND

Balance >  1000

OR

Project Name  equals Stop Global Warming

Add Query Parameter OR Project Name

**Fetch**

Projects	Username	Description	Balance
Help Pandas	wildlife	Pandas are going extinct. Send money.	100000
Help Lions	wildlife	Lions are going extinct. Send money.	3000
Help Zebras	wildlife	Zebras are going extinct. Send money.	1610
Help Fishies	wildlife	fishies are going extinct. Send money.	8020
Stop Global Warming	globewarm	Hot in Herre by Nelly	10

- After

Output ORA\_AFENTO.ORGANIZATION\_CREATES\_PROJECT

K < 5 rows > > | ⏪ ⏴ ⏵ ⏶ ⏷ ⏸ ⏹ ⏺ ⏻ ⏼ | Tx: Manual | DDL | ⏷

PROJECTNAME	USERNAME	DESCRIPTION	BALANCE
1 Help Pandas	wildlife	Pandas are going extinct. Send money.	100000
2 Help Lions	wildlife	Lions are going extinct. Send money.	3000
3 Help Zebras	wildlife	Zebras are going extinct. Send money.	1610
4 Help Fishies	wildlife	fishies are going extinct. Send money.	8020
5 Stop Global Warming	globewarm	Hot in Herre by Nelly	10

## Projection:

- Before

USERNAME	PASSWORD	CREATIONDATE	EMAIL
cmcdavid1	\$2a\$10\$1IuJ2D3Zd59SGvD1YsgHu.NlqqVvPnJywLfN/fM1sttb3sM3QwBdS	2023-03-15	cmcdavid@gmail.com
ntesla12	\$2a\$10\$4bLtdJGRkOk3nThXVxln.hJdT/18keKTFRgVVyY/7VUPeyLpxsK	2023-04-22	ntesla@gmail.com
aeinstein30	\$2a\$10\$25WtfUkm4WNLxp2SaTajk.19rbwQK19Ymtf9/DieUS8pbXGAE36	2023-06-10	aeinstein@gmail.com
pshelby1	\$2a\$10\$BSO5cwDvoAsq6B1Zkqk57uYHIVrzWp7oTgrzK1Iq9w0RLxXwVS0	2023-07-29	pshelby@gmail.com
tshels	\$2a\$10\$YqqVWhpDjuXJ5dQCnqdeJeDKBW/4wTdhAOjsLbcEGLaKAgdWfhP2	2023-08-18	tshelby@gmail.com
ashebs12	\$2a\$10\$g5aT871jbAwuiuj96GPuKe8dA9JhK1cMGn.BkoYI0cGbM6Ef1gVb0	2023-08-18	artshebelby@gmail.com
nomoney10	\$2a\$10\$I9jnhHHx9pczz/cCfzDa0eYnuISNrEKyy.HDy9jPHnimzD/fG8BG	2023-08-20	igotnomoney@gmail.com
wildlife	\$2a\$10\$SjwiWKGlqgdp98aFw5Hktv7IXFZh95x32M6x17dm0jsdtpXvcna	2023-01-18	wlsaver@gmail.com
globewarm	\$2a\$10\$3qTBnT5jpvhfak6LnUql2eN88zedZ0N.KE/MirmPC1p6hi.ilbbBa	2023-04-12	gwarm@gmail.com
ubcreedsmoney	\$2a\$10\$k5sRUASB.6fsWuwzHmG10.hP11v/C8D5.VHZ9X9uuVsFjwhLvj4By	2023-10-05	cbc@gmail.com
sfneedsmoney	\$2a\$10\$gXEuvQXj0tZYoU0vg31bc0uStUzB6v34peNRJLdt89FypCjAfpi5m	2023-10-12	sfu@gmail.com
fundbenslife	\$2a\$10\$LRXBpN5tcRrHvMgvij76N.MV4nFC1ZmxInzyX7NsxxXTAG.r2AwVm	2023-07-12	fundben@gmail.com

- During

Select table:

ACCOUNT  
 POSTALCODE\_LOCATION  
 INDIVIDUAL  
 PAYMENTINFORMATION  
 ORGANIZATION  
 ORGANIZATION\_CREATES\_PROJECT  
 ORGANIZATION\_CREATES\_POST  
 ACCOUNT\_WRITES\_COMMENT\_ON\_POST  
 INDIVIDUAL\_MAKES\_CONTRIBUTION  
 REWARD  
 INDIVIDUAL\_RECEIVES\_REWARD  
 PAYMENTTIER  
 PAYMENTTIER\_HAS\_REWARD

Select attributes:

USERNAME  
 PASSWORD  
 CREATIONDATE  
 EMAIL

  

Select table:

ACCOUNT

Select attributes:

USERNAME  
 PASSWORD  
 CREATIONDATE  
 EMAIL

  

Results:

USERNAME	PASSWORD	CREATIONDATE	EMAIL
cmcdavid1	\$2a\$10\$1IuJ2D3Zd59SGvD1YsgHu.NlqqVvF	2023-03-15T08:00:00.000Z	cmcdavid@gmail.com
ntesla12	\$2a\$10\$4bLtdJGRkOk3nThXVxln.hJdT/1E	2023-04-22T08:00:00.000Z	ntesla@gmail.com
aeinstein30	\$2a\$10\$25WtfUkm4WNLxp2SaTajk.19rbw	2023-06-10T08:00:00.000Z	aeinstein@gmail.com
pshelby1	\$2a\$10\$BSO5cwDvoAsq6B1Zkqk57uYHIVrz	2023-07-29T08:00:00.000Z	pshelby@gmail.com
tshels	\$2a\$10\$YqqVWhpDjuXJ5dQCnqdeJeDKBW	2023-08-18T08:00:00.000Z	tshelby@gmail.com
ashebs12	\$2a\$10\$g5aT871jbAwuiuj96GPuKe8dA9Jh	2023-08-18T08:00:00.000Z	artshebelby@gmail.com
nomoney10	\$2a\$10\$I9jnhHHx9pczz/cCfzDa0eYnuISNr	2023-08-20T08:00:00.000Z	igotnomoney@gmail.com
wildlife	\$2a\$10\$SjwiWKGlqgdp98aFw5Hktv7IXFZ	2023-01-18T08:00:00.000Z	wlsaver@gmail.com
globewarm	\$2a\$10\$3qTBnT5jpvhfak6LnUql2eN88zed	2023-04-12T08:00:00.000Z	gwarm@gmail.com
ubcreedsmoney	\$2a\$10\$k5sRUASB.6fsWuwzHmG10.hP11v/	2023-10-05T08:00:00.000Z	cbc@gmail.com
sfneedsmoney	\$2a\$10\$gXEuvQXj0tZYoU0vg31bc0uStUzE	2023-10-12T08:00:00.000Z	sfu@gmail.com
fundbenslife	\$2a\$10\$LRXBpN5tcRrHvMgvij76N.MV4nFC	2023-07-12T08:00:00.000Z	fundben@gmail.com

- After

	USERNAME	PASSWORD	CREATIONDATE	EMAIL
1	cmcdavid1	\$2a\$10\$1IuJ2D3Zd59S6v01YsgHu.NLqqVvPnJywLfN/fMIsttb3sM3QwBdS	2023-03-15	cmcdavid@gmail.com
2	ntesla12	\$2a\$10\$4bLtdJGRk0k3nThXVnln.nJdTTr/18keKTRrgVVy/V7UPeyLpxsK	2023-04-22	ntesla@gmail.com
3	aeinstein30	\$2a\$10\$25WtfUkm4WNLxp2SaTajk.19rbwQK19YMtlf9/D1eU58pbXGAe36	2023-06-10	aeinstein@gmail.com
4	pshelby1	\$2a\$10\$BS05cwDvoAsq6B1Zkqk57uYHIVrzyWp7oTgrrZk1Iq9w0RLxXwVS0	2023-07-29	pshelby@gmail.com
5	tshels	\$2a\$10\$YqgVWhppjuxJ5dQCnqdeJeDK8WM/4wTdhA0jsLbcCeGlaKagdWfhP2	2023-08-18	tshelby@gmail.com
6	ashebs12	\$2a\$10\$g5aT871jbAwAiu966PuKe8dA9JhK1cMGn.BkoYI0cGbM6Ef1gVb0	2023-08-18	artshebs@gmail.com
7	nomoney10	\$2a\$10\$i9jnhHHx9pczz/cCfzDaOeYnuISNrEKyv.HDy9jPHnimzD/f68BG	2023-08-20	igotnomoney@gmail.com
8	wildlife	\$2a\$10\$SjwiWKGlqgdp98aFw5HkTuV7IXFZh95x32M6x17dm0jsdtpXVcna	2023-01-18	wlsaver@gmail.com
9	globewarm	\$2a\$10\$3qTBnT5jpvhfaK6LnUql2eN88zedXZON.KE/M1rmPC1pGhi.lkBa	2023-04-12	gwarm@gmail.com
10	ubcneedsmoney	\$2a\$10\$k5sRUASB.6fsWuwzHmG10.hP11v/C805.VHZ9X9uuVsFjwhLvj4By	2023-10-05	ubc@gmail.com
11	sfuneedsmoney	\$2a\$10\$gXEuvQXj0tZYoU0vg31bc0uStUz8Gv34peNRJ1Dt89FYpCjAfpi5m	2023-10-12	sfu@gmail.com
12	fundbenslife	\$2a\$10\$LRXBpN5tcRrHvMgvij76N.MV4nFC1ZmxMnzYx7NssxKTAG.r2AwVm	2023-07-12	fundben@gmail.com

**Join:**

- Before

	IUSERNAME	PROJECTNAME	AMOUNT	TIMESTAMP
1	cmcdavid1	Help Pandas	97	2023-11-30 14:50:02.553459
2	cmcdavid1	Help Lions	97	2023-11-30 14:50:02.569714
3	cmcdavid1	Help Snakes	97	2023-11-30 14:50:02.577662
4	cmcdavid1	Help Zebras	97	2023-11-30 14:50:02.587083
5	cmcdavid1	Help Fishies	97	2023-11-30 14:50:02.597270
6	cmcdavid1	Stop Global Warming	97	2023-11-30 14:50:02.607167
7	cmcdavid1	Open more CPSC110 sections	97	2023-11-30 14:50:02.617214
8	cmcdavid1	Open more CPSC210 sections	97	2023-11-30 14:50:02.625753
9	ntesla12	Help Pandas	15	2023-11-30 14:50:02.636091
10	ntesla12	Stop Global Warming	230	2023-11-30 14:50:02.646802
11	ntesla12	Help Lions	150	2023-11-30 14:50:02.657216
12	ntesla12	Help Fishies	2000	2023-11-30 14:50:02.667224
13	ntesla12	Help Fishies	1	2023-11-30 14:50:02.674588
14	ntesla12	Help Fishies	2	2023-11-30 14:50:02.684397
15	ntesla12	Help Fishies	3	2023-11-30 14:50:02.695197
16	aeinstein30	Help Lions	100	2023-11-30 14:50:02.705415
17	aeinstein30	Help Zebras	50	2023-11-30 14:50:02.714486
18	aeinstein30	Stop Global Warming	50	2023-11-30 14:50:02.725090
19	aeinstein30	Stop Global Warming	10	2023-11-30 14:50:02.735332
20	aeinstein30	Stop Global Warming	42	2023-11-30 14:50:02.744598
21	aeinstein30	Stop Global Warming	100	2023-11-30 14:50:02.754390
22	tshebs	Help Pandas	68	2023-11-30 14:50:02.765278
23	tshebs	Help Pandas	60	2023-11-30 14:50:02.775628
24	tshebs	Bens Fund	7	2023-11-30 14:50:02.785159
25	tshebs	Bens Fund	1	2023-11-30 14:50:02.795235
26	tshebs	Bens Fund	2	2023-11-30 14:50:02.805374
27	tshebs	Help Lions	1	2023-11-30 14:50:02.816560
28	tshebs	Help Lions	1	2023-11-30 14:50:02.824807
29	tshebs	Help Lions	1	2023-11-30 14:50:02.834439
30	tshebs	Help Lions	1	2023-11-30 14:50:02.844587
31	tshebs	Help Lions	1	2023-11-30 14:50:02.854366
32	tshebs	Help Lions	1	2023-11-30 14:50:02.864263
33	tshebs	Help Lions	1	2023-11-30 14:50:02.874769
34	tshebs	Help Zebras	2	2023-11-30 14:50:02.886489
35	tshebs	Help Lions	1	2023-11-30 14:50:02.895693
36	tshebs	Help Lions	5	2023-11-30 14:50:02.907399
37	ashebs12	Open more CPSC110 sections	100	2023-11-30 14:50:02.916781
38	ashebs12	Help Snakes	500	2023-11-30 14:50:02.927190
39	ashebs12	Help Fishies	10	2023-11-30 14:50:02.936827
40	pshelby1	Help Snakes	58	2023-11-30 14:50:02.947576
41	pshelby1	Help Snakes	20	2023-11-30 14:50:02.956829
42	pshelby1	Help Snakes	1	2023-11-30 14:50:02.966339
43	pshelby1	Help Snakes	100	2023-11-30 14:50:02.976603
44	pshelby1	Help Fishies	10	2023-11-30 14:50:02.987414
45	pshelby1	Help Fishies	10	2023-11-30 14:50:02.996513
46	pshelby1	Help Fishies	20	2023-11-30 14:50:03.006425

- During

## Join Query

**Find all the individuals who have donated to a particular project**

**Choose a project:**

▾

## Join Query

**Find all the individuals who have donated to a particular project**

**Choose a project:**

Individual
cmcdavid1
ashebs12

- After

Output ORA_AFENTO.INDIVIDUAL_MAKES_CONTRIBUTION	
◀	< 2 rows ▶
          Tx: Manual ▾	
IUSERNAME	cmcdavid1 ashebs12

## Aggregation with group by:

- Before (contributions made by this individual)

	IUSERNAME	PROJECTNAME	AMOUNT	TIMESTAMP
1	cmcdavid1	Help Pandas	97	2023-12-01 14:45:50.607335
2	cmcdavid1	Help Lions	97	2023-12-01 14:45:50.622352
3	cmcdavid1	Help Snakes	97	2023-12-01 14:45:50.653827
4	cmcdavid1	Help Zebras	97	2023-12-01 14:45:50.664008
5	cmcdavid1	Help Fishies	97	2023-12-01 14:45:50.677584
6	cmcdavid1	Stop Global Warming	97	2023-12-01 14:45:50.692875
7	cmcdavid1	Open more CPSC110 sections	97	2023-12-01 14:45:50.707249
8	cmcdavid1	Open more CPSC210 sections	97	2023-12-01 14:45:50.715589

- During ('click show contributions')

## My Contributions

Show Contributions

## My Contributions

Help Zebras: \$97

Help Pandas: \$97

Open more CPSC210 sections: \$97

Help Fishies: \$97

Help Lions: \$97

Help Snakes: \$97

Stop Global Warming: \$97

Open more CPSC110 sections: \$97

Hide Contributions

- After

Output ORA\_CAMTM.INDIVIDUAL\_MAKES\_CONTRIBUTION

	IUSERNAME	PROJECTNAME	AMOUNT	TIMESTAMP
1	cmcdavid1	Help Pandas	97	2023-11-30 14:50:02.553459
2	cmcdavid1	Help Lions	97	2023-11-30 14:50:02.569714
3	cmcdavid1	Help Snakes	97	2023-11-30 14:50:02.577662
4	cmcdavid1	Help Zebras	97	2023-11-30 14:50:02.587083
5	cmcdavid1	Help Fishies	97	2023-11-30 14:50:02.597270
6	cmcdavid1	Stop Global Warming	97	2023-11-30 14:50:02.607167
7	cmcdavid1	Open more CPSC110 sections	97	2023-11-30 14:50:02.617214
8	cmcdavid1	Open more CPSC210 sections	97	2023-11-30 14:50:02.625753

### Aggregation with having:

- Before

Output ORA\_CAMTM.INDIVIDUAL\_MAKES\_CONTRIBUTION

	IUSERNAME	PROJECTNAME	AMOUNT	TIMESTAMP
1	cmcdavid1	Help Pandas	97	2023-11-30 14:50:02.553459
2	cmcdavid1	Help Lions	97	2023-11-30 14:50:02.569714
3	cmcdavid1	Help Snakes	97	2023-11-30 14:50:02.577662
4	cmcdavid1	Help Zebras	97	2023-11-30 14:50:02.587083
5	cmcdavid1	Help Fishies	97	2023-11-30 14:50:02.597270
6	cmcdavid1	Stop Global Warming	97	2023-11-30 14:50:02.607167
7	cmcdavid1	Open more CPSC110 sections	97	2023-11-30 14:50:02.617214
8	cmcdavid1	Open more CPSC210 sections	97	2023-11-30 14:50:02.625753
9	ntesla12	Help Pandas	15	2023-11-30 14:50:02.630091
10	ntesla12	Stop Global Warming	230	2023-11-30 14:50:02.646802
11	ntesla12	Help Lions	150	2023-11-30 14:50:02.657216
12	ntesla12	Help Fishies	2000	2023-11-30 14:50:02.667224
13	ntesla12	Help Fishies	1	2023-11-30 14:50:02.674588
14	ntesla12	Help Fishies	2	2023-11-30 14:50:02.684397
15	ntesla12	Help Fishies	3	2023-11-30 14:50:02.695197
16	aeinstein30	Help Lions	100	2023-11-30 14:50:02.705415
17	aeinstein30	Help Zebras	50	2023-11-30 14:50:02.714486
18	aeinstein30	Stop Global Warming	50	2023-11-30 14:50:02.725090
19	aeinstein30	Stop Global Warming	10	2023-11-30 14:50:02.735332
20	aeinstein30	Stop Global Warming	42	2023-11-30 14:50:02.744598
21	aeinstein30	Stop Global Warming	100	2023-11-30 14:50:02.754390
22	tshebs	Help Pandas	68	2023-11-30 14:50:02.765278
23	tshebs	Help Pandas	60	2023-11-30 14:50:02.775628
24	tshebs	Bens Fund	7	2023-11-30 14:50:02.785159
25	tshebs	Bens Fund	1	2023-11-30 14:50:02.795235
26	tshebs	Bens Fund	2	2023-11-30 14:50:02.805374
27	tshebs	Help Lions	1	2023-11-30 14:50:02.816560
28	tshebs	Help Lions	1	2023-11-30 14:50:02.824807
29	tshebs	Help Lions	1	2023-11-30 14:50:02.834439
30	tshebs	Help Lions	1	2023-11-30 14:50:02.844587
31	tshebs	Help Lions	1	2023-11-30 14:50:02.854366
32	tshebs	Help Lions	1	2023-11-30 14:50:02.864263
33	tshebs	Help Lions	1	2023-11-30 14:50:02.874769
34	tshebs	Help Zebras	2	2023-11-30 14:50:02.886489
35	tshebs	Help Lions	1	2023-11-30 14:50:02.895693
36	tshebs	Help Lions	5	2023-11-30 14:50:02.907399
37	ashebs12	Open more CPSC110 sections	100	2023-11-30 14:50:02.916781
38	ashebs12	Help Snakes	500	2023-11-30 14:50:02.927190
39	ashebs12	Help Fishies	10	2023-11-30 14:50:02.936827
40	pshelby1	Help Snakes	58	2023-11-30 14:50:02.947576
41	pshelby1	Help Snakes	20	2023-11-30 14:50:02.956829
42	pshelby1	Help Snakes	1	2023-11-30 14:50:02.966339
43	pshelby1	Help Snakes	100	2023-11-30 14:50:02.976603
44	pshelby1	Help Fishies	10	2023-11-30 14:50:02.987414
45	pshelby1	Help Fishies	10	2023-11-30 14:50:02.996513
46	pshelby1	Help Fishies	20	2023-11-30 14:50:03.006425

- During

# Aggregation Query with Having

Displays all contributors that have contributed to a project more than once

Get Contributors

Contributor	Project Name	Contribution Count
aeinstein30	Stop Global Warming	4
ntesla12	Help Fishies	4
pshelby1	Help Fishies	3
pshelby1	Help Snakes	4
tshebs	Bens Fund	3
tshebs	Help Lions	9
tshebs	Help Pandas	2

- After

	IUSERNAME	PROJECTNAME	"COUNT(*)"
1	aeinstein30	Stop Global Warming	4
2	ntesla12	Help Fishies	4
3	pshelby1	Help Fishies	3
4	pshelby1	Help Snakes	4
5	tshebs	Bens Fund	3
6	tshebs	Help Lions	9
7	tshebs	Help Pandas	2

## Nested aggregation with group by:

- Before

	IUSERNAME	PROJECTNAME	AMOUNT	TIMESTAMP
1	cmcdavid1	Help Pandas	97	2023-11-30 14:50:02.553459
2	cmcdavid1	Help Lions	97	2023-11-30 14:50:02.569714
3	cmcdavid1	Help Snakes	97	2023-11-30 14:50:02.577662
4	cmcdavid1	Help Zebras	97	2023-11-30 14:50:02.587083
5	cmcdavid1	Help Fishies	97	2023-11-30 14:50:02.597270
6	cmcdavid1	Stop Global Warming	97	2023-11-30 14:50:02.607167
7	cmcdavid1	Open more CPSC110 sections	97	2023-11-30 14:50:02.617214
8	cmcdavid1	Open more CPSC210 sections	97	2023-11-30 14:50:02.625753
9	ntesla12	Help Pandas	15	2023-11-30 14:50:02.636091
10	ntesla12	Stop Global Warming	230	2023-11-30 14:50:02.646802
11	ntesla12	Help Lions	150	2023-11-30 14:50:02.657216
12	ntesla12	Help Fishies	2000	2023-11-30 14:50:02.667224
13	ntesla12	Help Fishies	1	2023-11-30 14:50:02.674588
14	ntesla12	Help Fishies	2	2023-11-30 14:50:02.684397
15	ntesla12	Help Fishies	3	2023-11-30 14:50:02.695197
16	aeinstein30	Help Lions	100	2023-11-30 14:50:02.705415
17	aeinstein30	Help Zebras	50	2023-11-30 14:50:02.714486
18	aeinstein30	Stop Global Warming	50	2023-11-30 14:50:02.725090
19	aeinstein30	Stop Global Warming	10	2023-11-30 14:50:02.735332
20	aeinstein30	Stop Global Warming	42	2023-11-30 14:50:02.744598
21	aeinstein30	Stop Global Warming	100	2023-11-30 14:50:02.754390
22	tshebs	Help Pandas	68	2023-11-30 14:50:02.765278
23	tshebs	Help Pandas	60	2023-11-30 14:50:02.775628
24	tshebs	Bens Fund	7	2023-11-30 14:50:02.785159
25	tshebs	Bens Fund	1	2023-11-30 14:50:02.795235
26	tshebs	Bens Fund	2	2023-11-30 14:50:02.805374
27	tshebs	Help Lions	1	2023-11-30 14:50:02.816560
28	tshebs	Help Lions	1	2023-11-30 14:50:02.824807
29	tshebs	Help Lions	1	2023-11-30 14:50:02.834439
30	tshebs	Help Lions	1	2023-11-30 14:50:02.844587
31	tshebs	Help Lions	1	2023-11-30 14:50:02.854366
32	tshebs	Help Lions	1	2023-11-30 14:50:02.864263
33	tshebs	Help Lions	1	2023-11-30 14:50:02.874769
34	tshebs	Help Zebras	2	2023-11-30 14:50:02.886489
35	tshebs	Help Lions	1	2023-11-30 14:50:02.895693
36	tshebs	Help Lions	5	2023-11-30 14:50:02.907399
37	ashebs12	Open more CPSC110 sections	100	2023-11-30 14:50:02.916781
38	ashebs12	Help Snakes	500	2023-11-30 14:50:02.927190
39	ashebs12	Help Fishies	10	2023-11-30 14:50:02.936827
40	pshelby1	Help Snakes	58	2023-11-30 14:50:02.947576
41	pshelby1	Help Snakes	20	2023-11-30 14:50:02.956829
42	pshelby1	Help Snakes	1	2023-11-30 14:50:02.966339
43	pshelby1	Help Snakes	100	2023-11-30 14:50:02.976603
44	pshelby1	Help Fishies	10	2023-11-30 14:50:02.987414
45	pshelby1	Help Fishies	10	2023-11-30 14:50:02.996513
46	pshelby1	Help Fishies	20	2023-11-30 14:50:03.006425

- During

## Top Contributors

Our top contributors are users who donated above the average user donation. They are displayed by username and with the amount of donations they made above the average amount.

[Show top contributors](#)

## Top Contributors

Our top contributors are users who donated above the average user donation. They are displayed by username and with the amount of donations they made above the average amount.

[Hide top contributors](#)

**aeinstein30: 2 Donations**

**ashebs12: 2 Donations**

**ntesla12: 3 Donations**

**pshelby1: 1 Donations**

- After

Result 60		
	IUSERNAME	COUNT(*)
1	aeinstein30	2
2	ashebs12	2
3	ntesla12	3
4	pshelby1	1

## Division:

- Before

	IUSERNAME	PROJECTNAME	AMOUNT	TIMESTAMP
1	cmcdavid1	Help Pandas	97	2023-11-30 14:50:02.553459
2	cmcdavid1	Help Lions	97	2023-11-30 14:50:02.569714
3	cmcdavid1	Help Snakes	97	2023-11-30 14:50:02.577662
4	cmcdavid1	Help Zebras	97	2023-11-30 14:50:02.587083
5	cmcdavid1	Help Fishies	97	2023-11-30 14:50:02.597270
6	cmcdavid1	Stop Global Warming	97	2023-11-30 14:50:02.607167
7	cmcdavid1	Open more CPSC110 sections	97	2023-11-30 14:50:02.617214
8	cmcdavid1	Open more CPSC210 sections	97	2023-11-30 14:50:02.625753
9	ntesla12	Help Pandas	15	2023-11-30 14:50:02.636091
10	ntesla12	Stop Global Warming	230	2023-11-30 14:50:02.646802
11	ntesla12	Help Lions	150	2023-11-30 14:50:02.657216
12	ntesla12	Help Fishies	2000	2023-11-30 14:50:02.667224
13	ntesla12	Help Fishies	1	2023-11-30 14:50:02.674588
14	ntesla12	Help Fishies	2	2023-11-30 14:50:02.684397
15	ntesla12	Help Fishies	3	2023-11-30 14:50:02.695197
16	aeinstein30	Help Lions	100	2023-11-30 14:50:02.705415
17	aeinstein30	Help Zebras	50	2023-11-30 14:50:02.714486
18	aeinstein30	Stop Global Warming	50	2023-11-30 14:50:02.725090
19	aeinstein30	Stop Global Warming	10	2023-11-30 14:50:02.735332
20	aeinstein30	Stop Global Warming	42	2023-11-30 14:50:02.744598
21	aeinstein30	Stop Global Warming	100	2023-11-30 14:50:02.754390
22	tshebs	Help Pandas	68	2023-11-30 14:50:02.765278
23	tshebs	Help Pandas	60	2023-11-30 14:50:02.775628
24	tshebs	Bens Fund	7	2023-11-30 14:50:02.785159
25	tshebs	Bens Fund	1	2023-11-30 14:50:02.795235
26	tshebs	Bens Fund	2	2023-11-30 14:50:02.805374
27	tshebs	Help Lions	1	2023-11-30 14:50:02.816560
28	tshebs	Help Lions	1	2023-11-30 14:50:02.824807
29	tshebs	Help Lions	1	2023-11-30 14:50:02.834439
30	tshebs	Help Lions	1	2023-11-30 14:50:02.844587
31	tshebs	Help Lions	1	2023-11-30 14:50:02.854366
32	tshebs	Help Lions	1	2023-11-30 14:50:02.864263
33	tshebs	Help Lions	1	2023-11-30 14:50:02.874769
34	tshebs	Help Zebras	2	2023-11-30 14:50:02.886489
35	tshebs	Help Lions	1	2023-11-30 14:50:02.895693
36	tshebs	Help Lions	5	2023-11-30 14:50:02.907399
37	ashebs12	Open more CPSC110 sections	100	2023-11-30 14:50:02.916781
38	ashebs12	Help Snakes	500	2023-11-30 14:50:02.927190
39	ashebs12	Help Fishies	10	2023-11-30 14:50:02.936827
40	pshelby1	Help Snakes	58	2023-11-30 14:50:02.947576
41	pshelby1	Help Snakes	20	2023-11-30 14:50:02.956829
42	pshelby1	Help Snakes	1	2023-11-30 14:50:02.966339
43	pshelby1	Help Snakes	100	2023-11-30 14:50:02.976603
44	pshelby1	Help Fishies	10	2023-11-30 14:50:02.987414
45	pshelby1	Help Fishies	10	2023-11-30 14:50:02.996513
46	pshelby1	Help Fishies	20	2023-11-30 14:50:03.006425

- During

**See what selected donors have contributed money to  
every selected project!**

Donors:	Projects:	Result:
einstein30	<a href="#">Help Fishies</a>	<input type="checkbox"/>
ashebs12	<a href="#">Help Lions</a>	<input type="checkbox"/>
cmcdavid1	<a href="#">Help Pandas</a>	<input type="checkbox"/>
ntesla12	<a href="#">Help Snakes</a>	<input type="checkbox"/>
pshelby1	<a href="#">Help Zebras</a>	<input type="checkbox"/>
tshebs		<input type="checkbox"/>

**See what selected donors have contributed money to  
every selected project!**

Donors:	Projects:	Result:
einstein30	<a href="#">Help Fishies</a>	cmcdavid1
ashebs12	<a href="#">Help Lions</a>	ntesla12
cmcdavid1	<a href="#">Help Pandas</a>	
ntesla12	<a href="#">Help Snakes</a>	
pshelby1	<a href="#">Help Zebras</a>	
tshebs		

- After

Output ORA\_AFENTO.INDIVIDUAL

	USERNAME
1	cmcdaivid1
2	ntesla12