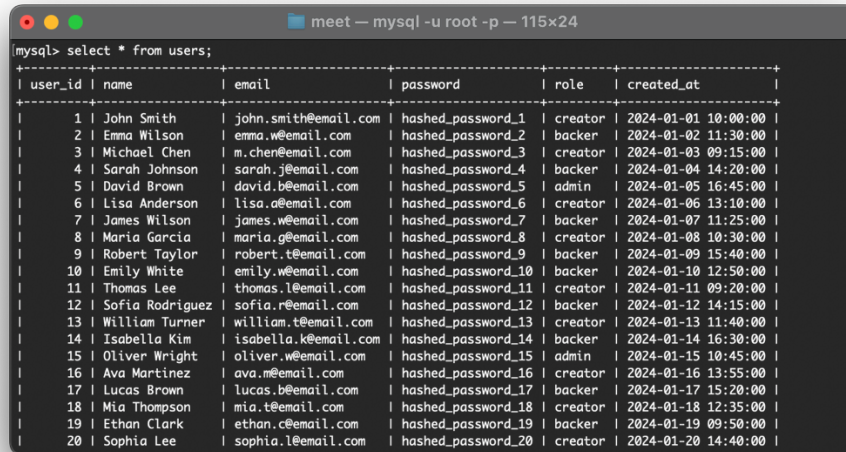


Crowdfunding MYSQL Queries

Q1. Write a query to fetch all columns from the Users table.

Query : `SELECT * FROM Users;`

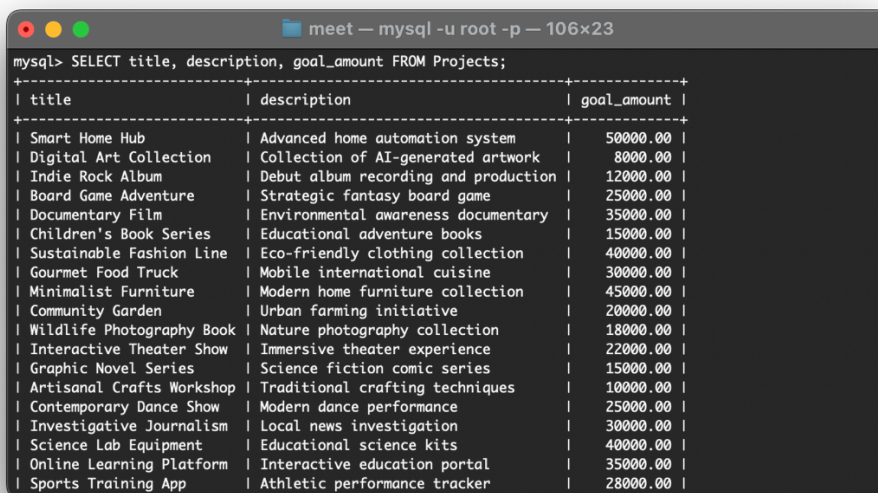


```
mysql> select * from users;
```

user_id	name	email	password	role	created_at
1	John Smith	john.smith@email.com	hashed_password_1	creator	2024-01-01 10:00:00
2	Emma Wilson	emma.w@email.com	hashed_password_2	backer	2024-01-02 11:30:00
3	Michael Chen	m.chen@email.com	hashed_password_3	creator	2024-01-03 09:15:00
4	Sarah Johnson	sarah.j@email.com	hashed_password_4	backer	2024-01-04 14:20:00
5	David Brown	david.b@email.com	hashed_password_5	admin	2024-01-05 16:45:00
6	Lisa Anderson	lisa.a@email.com	hashed_password_6	creator	2024-01-06 13:10:00
7	James Wilson	james.w@email.com	hashed_password_7	backer	2024-01-07 11:25:00
8	Maria Garcia	maria.g@email.com	hashed_password_8	creator	2024-01-08 10:30:00
9	Robert Taylor	robert.t@email.com	hashed_password_9	backer	2024-01-09 15:40:00
10	Emily White	emily.w@email.com	hashed_password_10	backer	2024-01-10 12:50:00
11	Thomas Lee	thomas.l@email.com	hashed_password_11	creator	2024-01-11 09:20:00
12	Sofia Rodriguez	sofia.r@email.com	hashed_password_12	backer	2024-01-12 14:15:00
13	William Turner	william.t@email.com	hashed_password_13	creator	2024-01-13 11:40:00
14	Isabella Kim	isabella.k@email.com	hashed_password_14	backer	2024-01-14 16:30:00
15	Oliver Wright	oliver.w@email.com	hashed_password_15	admin	2024-01-15 10:45:00
16	Ava Martinez	ava.m@email.com	hashed_password_16	creator	2024-01-16 13:55:00
17	Lucas Brown	lucas.b@email.com	hashed_password_17	backer	2024-01-17 15:20:00
18	Mia Thompson	mia.t@email.com	hashed_password_18	creator	2024-01-18 12:35:00
19	Ethan Clark	ethan.c@email.com	hashed_password_19	backer	2024-01-19 09:50:00
20	Sophia Lee	sophia.l@email.com	hashed_password_20	creator	2024-01-20 14:40:00

Q2. Retrieve the title, description, and goal_amount of all projects to get the project details.

Query : `SELECT title, description, goal_amount FROM Projects;`

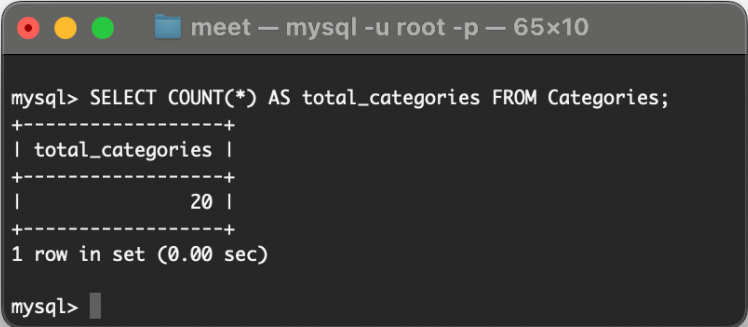


```
mysql> SELECT title, description, goal_amount FROM Projects;
```

title	description	goal_amount
Smart Home Hub	Advanced home automation system	50000.00
Digital Art Collection	Collection of AI-generated artwork	8000.00
Indie Rock Album	Debut album recording and production	12000.00
Board Game Adventure	Strategic fantasy board game	25000.00
Documentary Film	Environmental awareness documentary	35000.00
Children's Book Series	Educational adventure books	15000.00
Sustainable Fashion Line	Eco-friendly clothing collection	40000.00
Gourmet Food Truck	Mobile international cuisine	30000.00
Minimalist Furniture	Modern home furniture collection	45000.00
Community Garden	Urban farming initiative	20000.00
Wildlife Photography Book	Nature photography collection	18000.00
Interactive Theater Show	Immersive theater experience	22000.00
Graphic Novel Series	Science fiction comic series	15000.00
Artisanal Crafts Workshop	Traditional crafting techniques	10000.00
Contemporary Dance Show	Modern dance performance	25000.00
Investigative Journalism	Local news investigation	30000.00
Science Lab Equipment	Educational science kits	40000.00
Online Learning Platform	Interactive education portal	35000.00
Sports Training App	Athletic performance tracker	28000.00

Q3. Write a query to count how many categories exist in the Categories table.

Query : `SELECT COUNT(*) AS total_categories FROM Categories;`



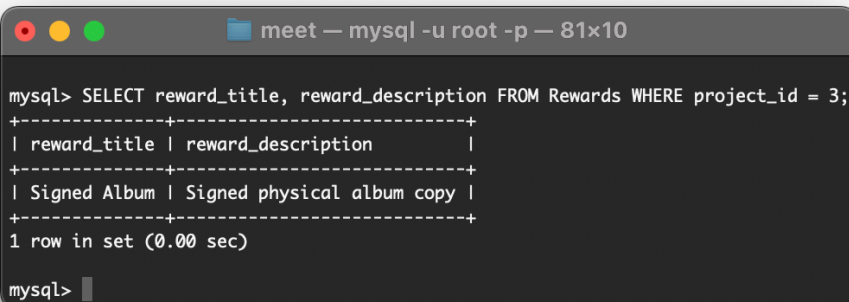
```
meet — mysql -u root -p — 65x10

mysql> SELECT COUNT(*) AS total_categories FROM Categories;
+-----+
| total_categories |
+-----+
|                20 |
+-----+
1 row in set (0.00 sec)

mysql>
```

Q4. Retrieve all reward_title and reward_description for a project with project_id = 3.

Query : `SELECT reward_title, reward_description FROM Rewards WHERE project_id = 3;`



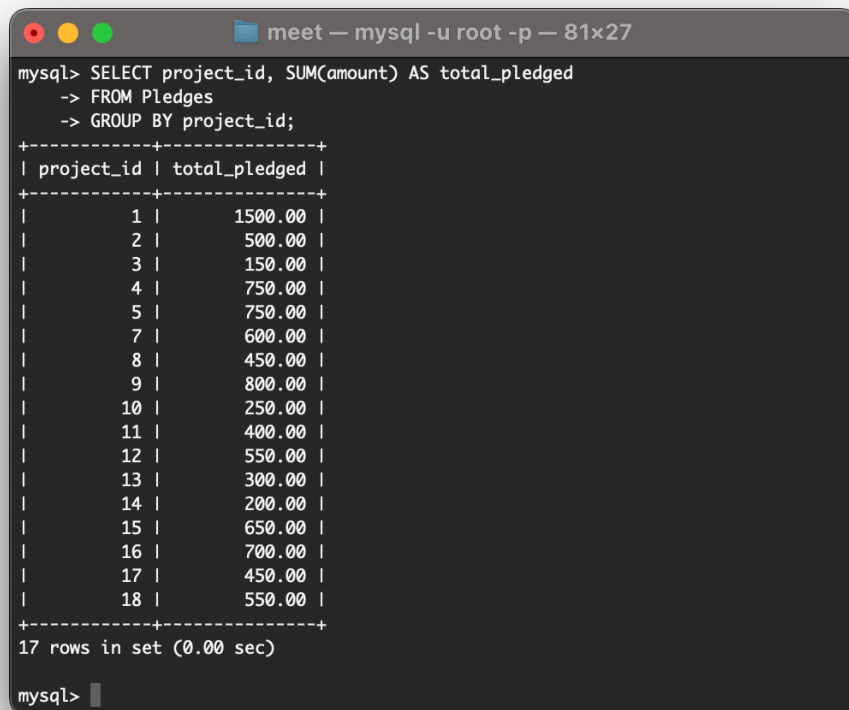
```
meet — mysql -u root -p — 81x10

mysql> SELECT reward_title, reward_description FROM Rewards WHERE project_id = 3;
+-----+-----+
| reward_title | reward_description |
+-----+-----+
| Signed Album | Signed physical album copy |
+-----+-----+
1 row in set (0.00 sec)

mysql>
```

Q5. Write a query to calculate the total amount pledged for each project along with project_id.

Query: SELECT project_id, SUM(amount) AS total_pledged
FROM Pledges
GROUP BY project_id;



The screenshot shows a MySQL terminal window with the following content:

```
mysql> SELECT project_id, SUM(amount) AS total_pledged
-> FROM Pledges
-> GROUP BY project_id;
```

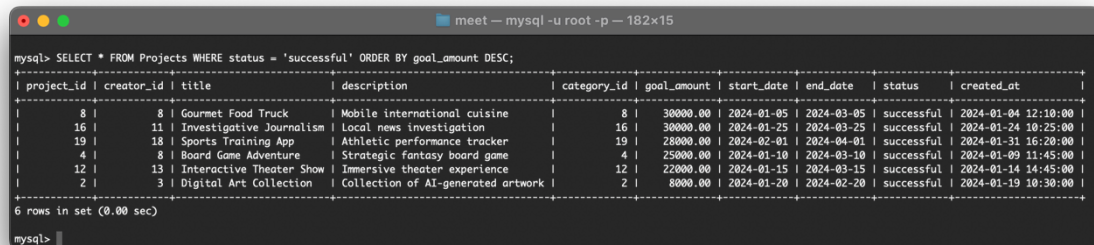
project_id	total_pledged
1	1500.00
2	500.00
3	150.00
4	750.00
5	750.00
7	600.00
8	450.00
9	800.00
10	250.00
11	400.00
12	550.00
13	300.00
14	200.00
15	650.00
16	700.00
17	450.00
18	550.00

17 rows in set (0.00 sec)

```
mysql>
```

Q6. Fetch all projects where the status is 'successful' and order them by the highest goal amount.

Query: `SELECT * FROM Projects WHERE status = 'successful' ORDER BY goal_amount DESC;`



```
mysql> SELECT * FROM Projects WHERE status = 'successful' ORDER BY goal_amount DESC;
```

project_id	creator_id	title	description	category_id	goal_amount	start_date	end_date	status	created_at
8	8	Gourmet Food Truck	Mobile international cuisine	8	30000.00	2024-01-05	2024-03-05	successful	2024-01-04 12:10:00
16	11	Investigative Journalism	Local news investigation	16	30000.00	2024-01-25	2024-03-25	successful	2024-01-24 10:25:00
19	18	Sports Training App	Athletic performance tracker	19	28000.00	2024-02-01	2024-04-01	successful	2024-01-31 16:20:00
4	8	Board Game Adventure	Strategic fantasy board game	4	25000.00	2024-01-10	2024-03-10	successful	2024-01-09 11:45:00
12	13	Interactive Theater Show	Immersive theater experience	12	22000.00	2024-01-15	2024-03-15	successful	2024-01-14 14:45:00
2	3	Digital Art Collection	Collection of AI-generated artwork	2	8000.00	2024-01-20	2024-02-20	successful	2024-01-19 10:30:00

6 rows in set (0.00 sec)

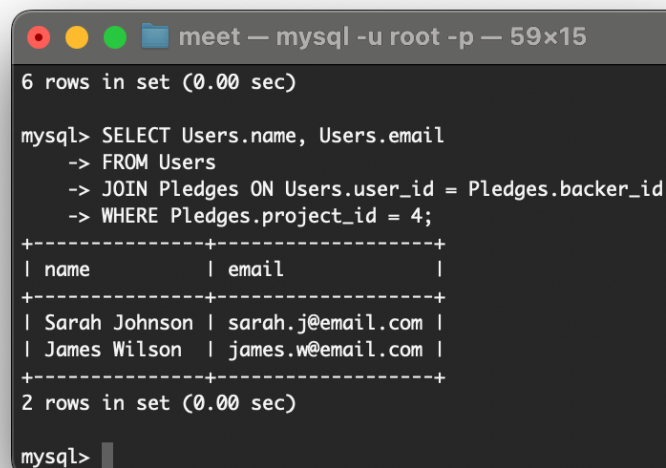
Q7. Retrieve the name and email of all users who backed the project with project_id = 4.

Query: `SELECT Users.name, Users.email`

`FROM Users`

`JOIN Pledges ON Users.user_id = Pledges.backer_id`

`WHERE Pledges.project_id = 4;`



```
mysql> SELECT Users.name, Users.email
-> FROM Users
-> JOIN Pledges ON Users.user_id = Pledges.backer_id
-> WHERE Pledges.project_id = 4;
```

name	email
Sarah Johnson	sarah.j@email.com
James Wilson	james.w@email.com

2 rows in set (0.00 sec)

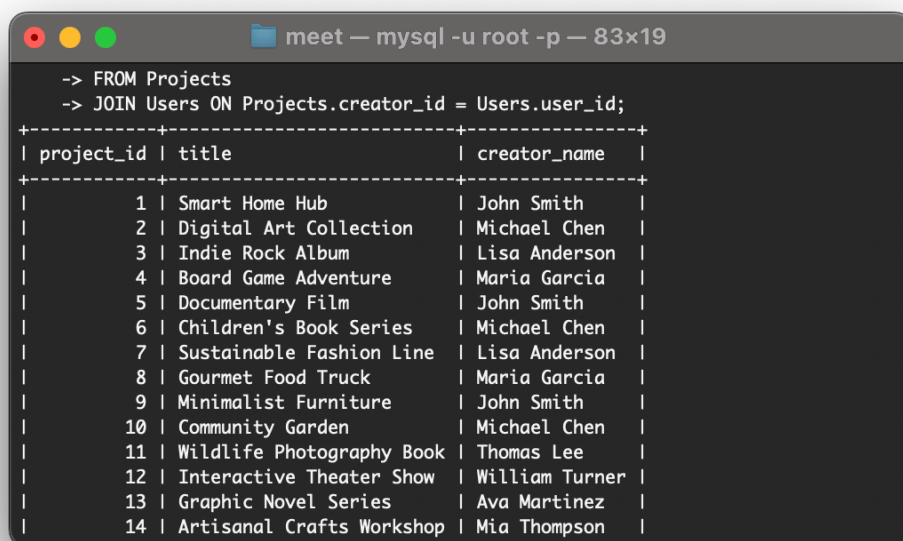
Q8. Retrieve the project_id, title, and the name of the creator for each project.

Query:

```
SELECT Projects.project_id, Projects.title, Users.name  
AS creator_name
```

```
FROM Projects
```

```
JOIN Users ON Projects.creator_id = Users.user_id;
```



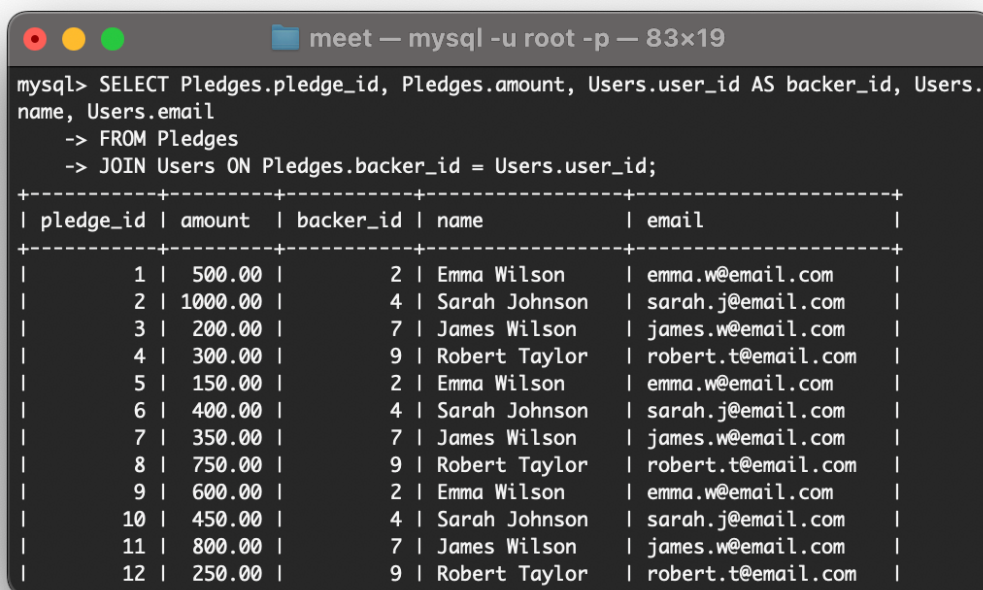
A terminal window titled "meet — mysql -u root -p — 83x19" displays the execution of a SQL query. The query is: `-> FROM Projects` followed by `-> JOIN Users ON Projects.creator_id = Users.user_id;`. The output is a table with three columns: `project_id`, `title`, and `creator_name`. The table contains 14 rows of data.

project_id	title	creator_name
1	Smart Home Hub	John Smith
2	Digital Art Collection	Michael Chen
3	Indie Rock Album	Lisa Anderson
4	Board Game Adventure	Maria Garcia
5	Documentary Film	John Smith
6	Children's Book Series	Michael Chen
7	Sustainable Fashion Line	Lisa Anderson
8	Gourmet Food Truck	Maria Garcia
9	Minimalist Furniture	John Smith
10	Community Garden	Michael Chen
11	Wildlife Photography Book	Thomas Lee
12	Interactive Theater Show	William Turner
13	Graphic Novel Series	Ava Martinez
14	Artisanal Crafts Workshop	Mia Thompson

Q9. Retrieve the pledge_id, amount, backer_id, name, and email of each backer.

Query:

```
SELECT Pledges.pledge_id, Pledges.amount,  
Users.user_id AS backer_id, Users.name, Users.email  
FROM Pledges  
JOIN Users ON Pledges.backer_id = Users.user_id;
```



The screenshot shows a terminal window titled "meet — mysql -u root -p — 83x19". The terminal displays the following SQL query and its results:

```
mysql> SELECT Pledges.pledge_id, Pledges.amount, Users.user_id AS backer_id, Users.  
name, Users.email  
-> FROM Pledges  
-> JOIN Users ON Pledges.backer_id = Users.user_id;
```

pledge_id	amount	backer_id	name	email
1	500.00	2	Emma Wilson	emma.w@email.com
2	1000.00	4	Sarah Johnson	sarah.j@email.com
3	200.00	7	James Wilson	james.w@email.com
4	300.00	9	Robert Taylor	robert.t@email.com
5	150.00	2	Emma Wilson	emma.w@email.com
6	400.00	4	Sarah Johnson	sarah.j@email.com
7	350.00	7	James Wilson	james.w@email.com
8	750.00	9	Robert Taylor	robert.t@email.com
9	600.00	2	Emma Wilson	emma.w@email.com
10	450.00	4	Sarah Johnson	sarah.j@email.com
11	800.00	7	James Wilson	james.w@email.com
12	250.00	9	Robert Taylor	robert.t@email.com