

# Online Quiz System – The Ultimate DBMS Project

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## CREATE:

### USERS:

```
1 v CREATE TABLE users (
2     user_id SERIAL PRIMARY KEY,
3     username VARCHAR(100) NOT NULL UNIQUE,
4     email VARCHAR(255) NOT NULL UNIQUE,
5     password_hash TEXT NOT NULL,
6     created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
7     role VARCHAR(50) NOT NULL,
8     status VARCHAR(50),
9     profile_picture TEXT,
10    last_login TIMESTAMP
11 );
12 |
```

Data Output Messages Notifications

CREATE TABLE

Query returned successfully in 106 msec.

## QUIZZES:

---

```
1 v CREATE TABLE quizzes (
2     quiz_id SERIAL PRIMARY KEY,
3     creator_id INT NOT NULL,
4     title VARCHAR(255) NOT NULL,
5     description TEXT,
6     category VARCHAR(100),
7     difficulty_level VARCHAR(50),
8     created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
9     time_limit INT,
10    max_score INT,
11    visibility VARCHAR(50),
12    FOREIGN KEY (creator_id) REFERENCES users(user_id)
13 );
14
```

---

Data Output Messages Notifications

CREATE TABLE

Query returned successfully in 70 msec.

## QUESTION\_EASY:

```
1 ✓ CREATE TABLE question_easy (
2     question_id SERIAL PRIMARY KEY,
3     quiz_id INT NOT NULL,
4     question_text TEXT NOT NULL,
5     created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
6     points INT,
7     explanation TEXT,
8     image_url TEXT,
9     hint TEXT,
10    question_type VARCHAR(50),
11    FOREIGN KEY (quiz_id) REFERENCES quizzes(quiz_id)
12 );
```

Data Output [Messages](#) [Notifications](#)

CREATE TABLE

Query returned successfully in 64 msec.

## QUESTION\_MEDIUM:

---

```
1 ✓ CREATE TABLE questions_medium (
2     question_id SERIAL PRIMARY KEY,
3     quiz_id INT NOT NULL,
4     question_text TEXT NOT NULL,
5     created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
6     points INT,
7     explanation TEXT,
8     image_url TEXT,
9     hint TEXT,
10    question_type VARCHAR(50),
11    FOREIGN KEY (quiz_id) REFERENCES quizzes(quiz_id)
12 );
```

---

Data Output [Messages](#) [Notifications](#)

CREATE TABLE

Query returned successfully in 67 msec.

## QUESTION\_DIFFICULT:

```
1 ✓ CREATE TABLE questions_difficult (
2     question_id SERIAL PRIMARY KEY,
3     quiz_id INT NOT NULL,
4     question_text TEXT NOT NULL,
5     created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
6     points INT,
7     explanation TEXT,
8     image_url TEXT,
9     hint TEXT,
10    question_type VARCHAR(50),
11    FOREIGN KEY (quiz_id) REFERENCES quizzes(quiz_id)
12 );
```

Data Output Messages Notifications

CREATE TABLE

Query returned successfully in 82 msec.

## ANSWER\_EASY:

```
1 ▾ CREATE TABLE answer_easy (
2     answer_id SERIAL PRIMARY KEY,
3     question_id INT NOT NULL,
4     answer_text TEXT NOT NULL,
5     is_correct BOOLEAN DEFAULT FALSE,
6     explanation TEXT,
7     submission_count INT DEFAULT 0,
8     FOREIGN KEY (question_id) REFERENCES question_easy(question_id)
9 );
```

Data Output [Messages](#) Notifications

CREATE TABLE

Query returned successfully in 61 msec.

## ANSWER\_MEDIUM:

```
1 ✓ CREATE TABLE answer_medium (
2     answer_id SERIAL PRIMARY KEY,
3     question_id INT NOT NULL,
4     answer_text TEXT NOT NULL,
5     is_correct BOOLEAN DEFAULT FALSE,
6     explanation TEXT,
7     submission_count INT DEFAULT 0,
8     FOREIGN KEY (question_id) REFERENCES question_medium(question_id)
9 );
```

---

Data Output [Messages](#) Notifications

---

CREATE TABLE

Query returned successfully in 74 msec.

## ANSWER\_DIFFICULT:

```
1 ✓ CREATE TABLE answer_difficult (
2     answer_id SERIAL PRIMARY KEY,
3     question_id INT NOT NULL,
4     answer_text TEXT NOT NULL,
5     is_correct BOOLEAN DEFAULT FALSE,
6     explanation TEXT,
7     submission_count INT DEFAULT 0,
8     FOREIGN KEY (question_id) REFERENCES question_difficult(question_id)
9 );
```

Data Output [Messages](#) Notifications

CREATE TABLE

Query returned successfully in 66 msec.

## RESULT:

Query    Query History

```
1 ✓ CREATE TABLE result (
2     result_id SERIAL PRIMARY KEY,
3     user_id INT NOT NULL,
4     quiz_id INT NOT NULL,
5     score INT,
6     attempt_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
7     time_taken INT,
8     correct_answers INT,
9     incorrect_answers INT,
10    highest_streak INT,
11    quiz_feedback TEXT,
12    FOREIGN KEY (user_id) REFERENCES users(user_id),
13    FOREIGN KEY (quiz_id) REFERENCES quizzes(quiz_id)
14 );
```

Data Output    Messages    Notifications

CREATE TABLE

Query returned successfully in 73 msec.

## REWARD:

```
1 ✓ CREATE TABLE reward (
2     reward_id SERIAL PRIMARY KEY,
3     user_id INT NOT NULL,
4     reward_name VARCHAR(100),
5     points_required INT,
6     granted_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
7     reward_type VARCHAR(50),
8     status VARCHAR(50),
9     FOREIGN KEY (user_id) REFERENCES users(user_id)
10 );
11
```

---

Data Output Messages Notifications

---

CREATE TABLE

Query returned successfully in 96 msec.

## FEEDBACK:

```
1 ✓ CREATE TABLE feedback (
2     feedback_id SERIAL PRIMARY KEY,
3     user_id INT NOT NULL,
4     quiz_id INT NOT NULL,
5     rating INT CHECK (rating BETWEEN 1 AND 5),
6     comment TEXT,
7     submitted_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
8     response_from_admin TEXT,
9     feedback_category VARCHAR(50),
10    FOREIGN KEY (user_id) REFERENCES users(user_id),
11    FOREIGN KEY (quiz_id) REFERENCES quizzes(quiz_id)
12 );
13
```

Data Output Messages Notifications

CREATE TABLE

Query returned successfully in 80 msec.

# INSERT INTO:

## USER:

	<b>user_id</b> [PK] integer	<b>username</b> character varying (100)	<b>email</b> character varying (255)	<b>password_hash</b> text	<b>created_at</b> timestamp without time zone	<b>role</b> character varying (50)	<b>status</b> character varying (50)	<b>profile_picture</b> text	<b>last_login</b> timestamp
1	1	alish_akadil	alish@example.com	hash1	2024-04-01 10:00:00	admin	active	profile1.png	2025-04-01 08:30:00
2	2	beka_user	beka@example.com	hash2	2024-04-02 12:15:00	student	active	profile2.png	2025-04-02 09:00:00
3	3	akbope_22	akbope@example.com	hash3	2024-04-03 15:00:00	student	active	profile3.jpg	2025-04-03 10:00:00
4	4	nuris_88	nuris@example.com	hash4	2024-04-04 09:20:00	student	active	profile4.jpg	2025-04-04 11:30:00
5	5	teacher01	teacher1@example.com	hash5	2024-04-05 11:11:00	teacher	active	profile5.png	2025-04-05 08:00:00
6	6	guest_user1	guest1@example.com	hash6	2024-04-06 13:30:00	guest	inactive	profile6.jpg	[null]
7	7	admin2	admin2@example.com	hash7	2024-04-07 14:00:00	admin	active	profile7.png	2025-04-07 10:00:00
8	8	zhanibek_kz	zhanibek@example.com	hash8	2024-04-08 08:45:00	student	banned	profile8.png	2025-01-10 10:00:00
9	9	samira_mn	samira@example.com	hash9	2024-04-09 16:10:00	student	active	profile9.jpg	2025-03-15 10:00:00
10	10	lecturer02	lecturer2@example.com	hash10	2024-04-10 17:00:00	teacher	active	profile10.png	2025-04-10 08:00:00
11	11	bot_user	bot@example.com	hash11	2024-04-11 18:20:00	bot	active	profile11.jpg	[null]
12	12	nurlybek_kk	nurlybek@example.com	hash12	2024-04-12 09:05:00	student	active	profile12.png	2025-04-12 08:00:00
13	13	aliya_tt	aliya@example.com	hash13	2024-04-13 14:40:00	student	inactive	profile13.png	2024-12-25 09:15:00
14	14	moderator01	mod1@example.com	hash14	2024-04-14 11:30:00	moderator	active	profile14.jpg	2025-03-15 10:00:00
15	15	trial_user	trial@example.com	hash15	2024-04-15 10:10:00	trial	inactive	profile15.jpg	[null]

Query Query History

```

1 ✓ INSERT INTO users (username, email, password_hash, created_at, role, status, profile_picture, last_login) VALUES
2   ('alish_akadil', 'alish@example.com', 'hash1', '2024-04-01 10:00:00', 'admin', 'active', 'profile1.png', '2025-04-01 08:30:00'),
3   ('beka_user', 'beka@example.com', 'hash2', '2024-04-02 12:15:00', 'student', 'active', 'profile2.png', '2025-04-02 09:00:00'),
4   ('akbope_22', 'akbope@example.com', 'hash3', '2024-04-03 15:00:00', 'student', 'active', 'profile3.jpg', '2025-04-03 10:00:00'),
5   ('nuris_88', 'nuris@example.com', 'hash4', '2024-04-04 09:20:00', 'student', 'active', 'profile4.jpg', '2025-04-04 11:30:00'),
6   ('teacher01', 'teacher1@example.com', 'hash5', '2024-04-05 11:11:00', 'teacher', 'active', 'profile5.png', '2025-04-05 08:00:00'),
7   ('guest_user1', 'guest1@example.com', 'hash6', '2024-04-06 13:30:00', 'guest', 'inactive', 'profile6.jpg', NULL),
8   ('admin2', 'admin2@example.com', 'hash7', '2024-04-07 14:00:00', 'admin', 'active', 'profile7.png', '2025-04-06 07:00:00'),
9   ('zhanibek_kz', 'zhanibek@example.com', 'hash8', '2024-04-08 08:45:00', 'student', 'banned', 'profile8.png', '2025-01-10 10:30:00'),
10  ('samira_mn', 'samira@example.com', 'hash9', '2024-04-09 16:10:00', 'student', 'active', 'profile9.jpg', '2025-03-15 17:20:00'),
11  ('lecturer02', 'lecturer2@example.com', 'hash10', '2024-04-10 17:00:00', 'teacher', 'active', 'profile10.png', '2025-04-02 12:00:00'),
12  ('bot_user', 'bot@example.com', 'hash11', '2024-04-11 18:20:00', 'bot', 'active', 'profile11.jpg', NULL),
13  ('nurlybek_kk', 'nurlybek@example.com', 'hash12', '2024-04-12 09:05:00', 'student', 'active', 'profile12.png', '2025-04-01 10:45:00'),
14  ('aliya_tt', 'aliya@example.com', 'hash13', '2024-04-13 14:40:00', 'student', 'inactive', 'profile13.png', '2024-12-25 09:15:00'),
15  ('moderator01', 'mod1@example.com', 'hash14', '2024-04-14 11:30:00', 'moderator', 'active', 'profile14.jpg', '2025-03-15 10:00:00')

```

# QUIZ:

	quiz_id [PK] integer	creator_id integer	title character varying (255)	description text	category character varying (100)	difficulty_level character varying (50)	created_at timestamp without time zone	time_limit integer
1	1	1	Квиз про картошку	Проверь, насколько ты картошечный эксперт!	Еда	easy	2025-04-07 00:18:15.468764	
2	2	2	Какой ты овощ?	Выясним, ты огурец или кабачок?	Юмор	easy	2025-04-07 00:18:15.468764	
3	3	3	Философия Пельменей	Глубокий квиз о смысле начинки.	Философия	medium	2025-04-07 00:18:15.468764	
4	4	1	Мемология 101	Квиз по мемам XXI века.	Интернет	medium	2025-04-07 00:18:15.468764	
5	5	4	Кошачьи загадки	Только для тех, кто был выбран котами.	Животные	hard	2025-04-07 00:18:15.468764	
6	6	5	Где логика?	Логика, но с элементами абсурда.	Логика	medium	2025-04-07 00:18:15.468764	
7	7	3	История носков	Носки с древности до наших дней.	История	easy	2025-04-07 00:18:15.468764	
8	8	2	Чай или кофе?	Настоящая битва вкусов.	Еда	easy	2025-04-07 00:18:15.468764	
9	9	6	Квиз по квизам	Метаквиз для квизмастеров.	Метагейминг	hard	2025-04-07 00:18:15.468764	
10	10	1	География глупостей	О странах, которых не существует.	Юмор	medium	2025-04-07 00:18:15.468764	
11	11	4	Магия магглов	Чем живут обычные люди без магии?	Фантастика	easy	2025-04-07 00:18:15.468764	
12	12	5	Разговор с холодильником	Что он может рассказать о тебе?	Юмор	easy	2025-04-07 00:18:15.468764	
13	13	3	Числа и чувства	Математика с элементами драмы.	Математика	hard	2025-04-07 00:18:15.468764	
14	14	6	Кто съел моё мороженое?	Найди предателя среди друзей!	Детектив	medium	2025-04-07 00:18:15.468764	
15	15	2	Разноцветный квиз	Невероятная логика — только для вас!	Разыгра	easy	2025-04-07 00:18:15.468764	

```

1 ✓ INSERT INTO quiz (creator_id, title, description, category, difficulty_level, time_limit, max_score, visibility)
2 VALUES
3 (1, 'Квиз про картошку', 'Проверь, насколько ты картошечный эксперт!', 'Еда', 'easy', 10, 100, 'public'),
4 (2, 'Какой ты овощ?', 'Выясним, ты огурец или кабачок?', 'Юмор', 'easy', 8, 80, 'public'),
5 (3, 'Философия Пельменей', 'Глубокий квиз о смысле начинки.', 'Философия', 'medium', 15, 120, 'private'),
6 (1, 'Мемология 101', 'Квиз по мемам XXI века.', 'Интернет', 'medium', 12, 90, 'public'),
7 (4, 'Кошачьи загадки', 'Только для тех, кто был выбран котами.', 'Животные', 'hard', 20, 150, 'private'),
8 (5, 'Где логика?', 'Логика, но с элементами абсурда.', 'Логика', 'medium', 14, 100, 'public'),
9 (3, 'История носков', 'Носки с древности до наших дней.', 'История', 'easy', 9, 85, 'public'),
10 (2, 'Чай или кофе?', 'Настоящая битва вкусов.', 'Еда', 'easy', 6, 50, 'public'),
11 (6, 'Квиз по квизам', 'Метаквиз для квизмастеров.', 'Метагейминг', 'hard', 25, 200, 'private'),
12 (1, 'География глупостей', 'О странах, которых не существует.', 'Юмор', 'medium', 10, 100, 'public'),
13 (4, 'Магия магглов', 'Чем живут обычные люди без магии?', 'Фантастика', 'easy', 7, 60, 'private'),
14 (5, 'Разговор с холодильником', 'Что он может рассказать о тебе?', 'Юмор', 'easy', 5, 40, 'public'),
15 (2, 'Цветовой квиз', 'Невероятная логика — только для вас!', 'Разыгра', 'easy')
```

# QUESTION\_EASY:

	question_id [PK] integer	quiz_id integer	question_text text	created_at timestamp without time zone	points integer	explanation text	image_url text
1	2	1	What is the capital of the internet?	2025-04-07 00:27:24.551139	1	The internet has a lot of memes, but no real capital!	image_url_placeholder
2	3	1	Why did the chicken cross the road?	2025-04-07 00:27:24.551139	1	This meme was born in the early 2000s and it's still funny!	image_url_placeholder
3	4	1	Why don't skeletons fight each other?	2025-04-07 00:27:24.551139	1	A classic pun meme that never dies	image_url_placeholder
4	5	1	What did the grape do when it got stepped on?	2025-04-07 00:27:24.551139	1	This meme never gets old, it's grape!	image_url_placeholder
5	6	1	How does a penguin build its house?	2025-04-07 00:27:24.551139	1	A cool meme for animal lovers	image_url_placeholder

```
INSERT INTO question_easy (quiz_id, question_text, points, explanation, image_url, hint, question_type) VALUES
(1, 'What is the capital of the internet?', 1, 'The internet has a lot of memes, but no real capital!', 'image_url_placeholder', 'How did the internet get its name?', 'internet'),
(1, 'Why did the chicken cross the road?', 1, 'This meme was born in the early 2000s and it''s still funny!', 'image_url_placeholder', 'What did the chicken cross the road for?', 'chicken'),
(1, 'Why don't skeletons fight each other?', 1, 'A classic pun meme that never dies', 'image_url_placeholder', 'What do you think makes skeletons not fight?', 'skeletons'),
(1, 'What did the grape do when it got stepped on?', 1, 'This meme never gets old, it's grape!', 'image_url_placeholder', 'What's the best fruit?', 'grape'),
(1, 'How does a penguin build its house?', 1, 'A cool meme for animal lovers', 'image_url_placeholder', 'What animals would make the best roof?', 'penguins')
```

# QUESTION\_MEDIUM:

	question_id [PK] integer	quiz_id integer	question_text text	created_at timestamp without time zone	points integer	explanation text
1	1	1	Why was the math book sad?	2025-04-07 00:30:13.287829	2	A timeless meme among student
2	2	1	What's the deal with airplane food?	2025-04-07 00:30:13.287829	2	This one's been used in many sta
3	3	1	I asked the librarian if the library had any books on paranoia. She whispered, 'They're right behind you.'	2025-04-07 00:30:13.287829	2	Perfect for library lovers
4	4	1	What's the best way to get a cat to listen to you?	2025-04-07 00:30:13.287829	2	Talk to them in memes
5	5	1	I'm on a seafood diet. I see food and I eat it.	2025-04-07 00:30:13.287829	2	A meme that never gets old

```
1 ✓ INSERT INTO question_medium (quiz_id, question_text, points, explanation, image_url, hint, question_type) VALUES
2   (1, 'Why was the math book sad?', 2, 'A timeless meme among students', 'image_url_placeholder', 'What's your favorite subject to meme about?')
3   (1, 'What's the deal with airplane food?', 2, 'This one's been used in many stand-up routines', 'image_url_placeholder', 'Why do we joke about airplane food?')
4   (1, 'I asked the librarian if the library had any books on paranoia. She whispered, "They're right behind you."', 2, 'Perfect for library lovers', 'image_url_placeholder', 'What are your favorite books on paranoia?')
5   (1, 'What's the best way to get a cat to listen to you?', 2, 'Talk to them in memes', 'image_url_placeholder', 'Which animal memes make you laugh?')
6   (1, 'I'm on a seafood diet. I see food and I eat it.', 2, 'A meme that never gets old', 'image_url_placeholder', 'What are your favorite foods?')
```

# QUESTION\_DIFFICULT:

	question_id [PK] integer	quiz_id integer	question_text text	created_at timestamp without time zone	points integer	explanation text	image_url text	hint text
1	1	1	Why don't we ever tell secrets on a farm?	2025-04-07 00:31:44.268299	3	A very high-level meme joke	image_url_placeholder	What makes farm memes so good?
2	2	1	What do you call fake spaghetti?	2025-04-07 00:31:44.268299	3	This meme has a unique flavor	image_url_placeholder	Why do food memes work so well?
3	3	1	Why couldn't the bicycle stand up by itself?	2025-04-07 00:31:44.268299	3	Meme humor at its finest	image_url_placeholder	What is the most absurd meme?
4	4	1	What did the ocean say to the beach?	2025-04-07 00:31:44.268299	3	A classic beach meme with waves of humor	image_url_placeholder	Why do ocean and beach memes make us laugh?
5	5	1	Why don't we trust stairs?	2025-04-07 00:31:44.268299	3	Another classic pun meme	image_url_placeholder	What are your favorite types of pun memes?

```
1 ✓ INSERT INTO question_difficult (quiz_id, question_text, points, explanation, image_url, hint, question_type) VALUES
2   (1, 'Why don't we ever tell secrets on a farm?', 3, 'A very high-level meme joke', 'image_url_placeholder', 'What makes farm memes so good?')
3   (1, 'What do you call fake spaghetti?', 3, 'This meme has a unique flavor', 'image_url_placeholder', 'Why do food memes work so well?')
4   (1, 'Why couldn't the bicycle stand up by itself?', 3, 'Meme humor at its finest', 'image_url_placeholder', 'What is the most absurd meme?')
5   (1, 'What did the ocean say to the beach?', 3, 'A classic beach meme with waves of humor', 'image_url_placeholder', 'Why do ocean and beach memes make us laugh?')
6   (1, 'Why don't we trust stairs?', 3, 'Another classic pun meme', 'image_url_placeholder', 'What are your favorite types of pun memes?')
```

# ANSWER\_EASY:

	answer_id [PK] integer	question_id integer	answer_text text	is_correct boolean	explanation text	submission_count integer
1	81	2	The internet has no capital city	true	The internet is decentralized and doesn't have a single capital.	0
2	82	2	London is the capital of the internet	false	London is a real-world capital, not of the internet.	0
3	83	2	New York is the capital of the internet	false	New York is a famous city, but not the capital of the internet.	0
4	84	2	Paris is the capital of the internet	false	Paris is an important city but not the capital of the internet.	0
5	85	3	Because it had too many problems	true	A meme joke playing on the word "problems" as in math problems.	0
6	86	3	Because it couldn't solve its own issues	false	Another variation on the "math problems" joke, but not the best punchline.	0
7	87	3	Because it didn't have a good solution	false	A math-related joke, but not quite the same.	0
8	88	3	Because math books are boring	false	This is not the meme punchline, but a typical reaction.	0
9	89	4	Because the airplane food is too dry	false	The joke is based on the classic humor about airplane food being bad.	0
10	90	4	Because the food is small and packed in plastic	true	This is a classic reference to the humor about airplane food.	0
11	91	4	Because the airplane food is overpriced	false	A variation of the airplane food joke but not the main meme.	0
12	92	4	Because the airplane food is cold	false	Another common joke about airplane food.	0
13	93	5	Because it was too scary	false	A funny setup, but not quite right.	0
14	94	5	Because paranoia is a funny topic for a joke	true	This joke plays on the idea of paranoia and library secrecy.	0
15	95	5	Because it was haunted	false	A spooky twist, but not the meme punchline.	0
16	96	5	Because libraries are creepy	false	The librarian's whisper creates a suspenseful situation.	0
17	97	6	Because it only listens to memes	true	This is a meme joke about how cats can be stubborn and only listen to memes.	0
18	98	6	Because it has selective hearing	false	This is a plausible explanation but not the meme punchline.	0
19	99	6	Because cats are hard to train	false	A plausible answer, but not the meme punchline.	0
20	100	6	Because it likes to ignore you	false	Another valid theory, but not the meme punchline.	0

```

1 ✓ INSERT INTO answer_easy (question_id, answer_text, is_correct, explanation) VALUES
2 (2, 'The internet has no capital city', TRUE, 'The internet is decentralized and doesn't have a single capital.'),
3 (2, 'London is the capital of the internet', FALSE, 'London is a real-world capital, not of the internet.'),
4 (2, 'New York is the capital of the internet', FALSE, 'New York is a famous city, but not the capital of the internet.'),
5 (2, 'Paris is the capital of the internet', FALSE, 'Paris is an important city but not the capital of the internet.'),
6 (3, 'Because it had too many problems', TRUE, 'A meme joke playing on the word "problems" as in math problems.'),
7 (3, 'Because it couldn't solve its own issues', FALSE, 'Another variation on the "math problems" joke, but not the best punchline.'),
8 (3, 'Because it didn't have a good solution', FALSE, 'A math-related joke, but not quite the same.'),
9 (3, 'Because math books are boring', FALSE, 'This is not the meme punchline, but a typical reaction.'),
10 (4, 'Because the airplane food is too dry', FALSE, 'The joke is based on the classic humor about airplane food being bad.'),
11 (4, 'Because the food is small and packed in plastic', TRUE, 'This is a classic reference to the humor about airplane food.'),
12 (4, 'Because the airplane food is overpriced', FALSE, 'A variation of the airplane food joke but not the main meme.'),
13 (4, 'Because the airplane food is cold', FALSE, 'Another common joke about airplane food.'),
14 (5, 'Because it was too scary', FALSE, 'A funny setup, but not quite right.'),
15 (5, 'Because paranoia is a funny topic for a joke', TRUE, 'This joke plays on the idea of paranoia and library secrecy.'),
16 (5, 'Because it was haunted', FALSE, 'A spooky twist, but not the meme punchline.'),
17 (5, 'Because libraries are creepy', FALSE, 'The librarian's whisper creates a suspenseful situation.'),
18 (6, 'Because it only listens to memes', TRUE, 'This is a meme joke about how cats can be stubborn and only listen to memes.'),
19 (6, 'Because it has selective hearing', FALSE, 'This is a plausible explanation but not the meme punchline.'),
20 (6, 'Because cats are hard to train', FALSE, 'A plausible answer, but not the meme punchline.'),
21 (6, 'Because it likes to ignore you', FALSE, 'Another valid theory, but not the meme punchline.');

```

# ANSWER\_MEDIUM:

	answer_id [PK] integer	question_id integer	answer_text text	is_correct boolean	explanation text	submission_count integer
1	1	7	Because the math book had too many p...	true	A classic meme that plays on the word "problems" referring to math problems.	0
2	2	7	Because it was sad to be about math	false	This could be a reason, but it's not the meme punchline.	0
3	3	7	Because it had no friends	false	A humorous idea but not the right punchline of the joke.	0
4	4	7	Because it didn't understand the proble...	false	A twist, but not the meme punchline of the joke.	0
5	5	8	Because airplane food is typically terrible	true	A widely accepted meme punchline about airplane food.	0
6	6	8	Because airplane food is too expensive	false	A variant of the meme, but not the central punchline.	0
7	7	8	Because airplane food is served cold	false	A commonly used joke about airplane food.	0
8	8	8	Because airplane food is too salty	false	Another take on the airplane food joke.	0
9	9	9	Because the librarian was a bit paranoid	false	A playful interpretation but not the correct punchline.	0
10	10	9	Because the librarian knew everything	false	An interesting variation, but not the actual joke.	0
11	11	9	Because the librarian made a scary joke	true	A classic example of dark humor involving the librarian and paranoia.	0
12	12	9	Because the library was haunted	false	A spooky variation of the joke.	0
13	13	10	Because cats don't respond to command...	true	A meme explaining how cats only listen to memes or specific behaviors.	0
14	14	10	Because cats are rude	false	A relatable but not the correct meme punchline.	0
15	15	10	Because cats are independent	false	A good explanation, but not the meme punchline.	0
16	16	10	Because cats ignore everything	false	A good variation but not the punchline of this meme.	0

```

INSERT INTO answer_medium (question_id, answer_text, is_correct, explanation) VALUES
(7, 'Because the math book had too many problems', TRUE, 'A classic meme that plays on the word "problems" referring to math problems.'),
(7, 'Because it was sad to be about math', FALSE, 'This could be a reason, but it's not the meme punchline.'),
(7, 'Because it had no friends', FALSE, 'A humorous idea but not the right punchline of the joke.'),
(7, 'Because it didn't understand the problems', FALSE, 'A twist, but not the meme punchline of the joke.'),
(8, 'Because airplane food is typically terrible', TRUE, 'A widely accepted meme punchline about airplane food.'),
(8, 'Because airplane food is too expensive', FALSE, 'A variant of the meme, but not the central punchline.'),
(8, 'Because airplane food is served cold', FALSE, 'A commonly used joke about airplane food.'),
(8, 'Because airplane food is too salty', FALSE, 'Another take on the airplane food joke.'),
(9, 'Because the librarian was a bit paranoid', FALSE, 'A playful interpretation but not the correct punchline.'),
(9, 'Because the librarian knew everything', FALSE, 'An interesting variation, but not the actual joke.'),
(9, 'Because the librarian made a scary joke', TRUE, 'A classic example of dark humor involving the librarian and paranoia.'),
(9, 'Because the library was haunted', FALSE, 'A spooky variation of the joke.'),
(10, 'Because cats don't respond to commands', TRUE, 'A meme explaining how cats only listen to memes or specific behaviors.'),
(10, 'Because cats are rude', FALSE, 'A relatable but not the correct meme punchline.'),
(10, 'Because cats are independent', FALSE, 'A good explanation, but not the meme punchline.'),
(10, 'Because cats ignore everything', FALSE, 'A good variation but not the punchline of this meme.');

```

# ANSWER\_DIFFICULT:

	answer_id [PK] integer	question_id integer	answer_text text	is_correct boolean	explanation text	submission_count integer
1	21	11	Because farms have too many animals to keep secrets	true	A funny, complex joke about farm animals and secrets.	0
2	22	11	Because it's hard to whisper on a farm	false	Another potential explanation, but not the correct punchline.	0
3	23	11	Because cows can't keep secrets	false	A humorous take, but not the main meme punchline.	0
4	24	11	Because the rooster always crows	false	A variation on the farm meme, but not the core joke.	0
5	25	12	Because fake spaghetti is an impasta	true	This meme punchline is a pun combining "fake spaghetti" and "impasta..."	0
6	26	12	Because fake spaghetti is made of noodles	false	A reasonable guess, but not the meme punchline.	0
7	27	12	Because fake spaghetti is overcooked	false	A plausible explanation but not the main joke.	0
8	28	12	Because fake spaghetti is always soggy	false	A fun take, but not the meme punchline.	0
9	29	13	Because the bicycle was two-tired	true	A classic joke playing on the word "tired" as in exhaustion and bike tires.	0
10	30	13	Because the bicycle was too complicated to ride	false	A twist, but not the meme punchline.	0
11	31	13	Because the bicycle was lonely	false	Another plausible joke but not the meme punchline.	0
12	32	13	Because the bicycle needed repairs	false	A twist, but not the actual meme punchline.	0
13	33	14	Because the ocean waved at the beach	true	A fun pun about the ocean and beach with a wave of humor.	0
14	34	14	Because the ocean was calm	false	A nice idea but not the meme punchline.	0
15	35	14	Because the ocean was cold	false	A plausible explanation, but not the meme punchline.	0
16	36	14	Because the ocean has secrets	false	A spooky take but not the right punchline.	0
17	37	15	Because stairs are always up to something	true	A pun about stairs, playing on the idea of them "being up to something."	0
18	38	15	Because stairs are always down	false	A good twist, but not the meme punchline.	0
19	39	15	Because stairs are unreliable	false	A fun variation, but not the main meme joke.	0
20	40	15	Because stairs are sneaky	false	A plausible take but not the punchline.	0

```

1 ✓ INSERT INTO answer_difficult (question_id, answer_text, is_correct, explanation) VALUES
2 (11, 'Because farms have too many animals to keep secrets', TRUE, 'A funny, complex joke about farm animals and secrets.'),
3 (11, 'Because it's hard to whisper on a farm', FALSE, 'Another potential explanation, but not the correct punchline.'),
4 (11, 'Because cows can't keep secrets', FALSE, 'A humorous take, but not the main meme punchline.'),
5 (11, 'Because the rooster always crows', FALSE, 'A variation on the farm meme, but not the core joke.'),
6 (12, 'Because fake spaghetti is an impasta', TRUE, 'This meme punchline is a pun combining "fake spaghetti" and "impasta."'),
7 (12, 'Because fake spaghetti is made of noodles', FALSE, 'A reasonable guess, but not the meme punchline.'),
8 (12, 'Because fake spaghetti is overcooked', FALSE, 'A plausible explanation but not the main joke.'),
9 (12, 'Because fake spaghetti is always soggy', FALSE, 'A fun take, but not the meme punchline.'),
10 (13, 'Because the bicycle was two-tired', TRUE, 'A classic joke playing on the word "tired" as in exhaustion and bike tires.'),
11 (13, 'Because the bicycle was too complicated to ride', FALSE, 'A twist, but not the meme punchline.'),
12 (13, 'Because the bicycle was lonely', FALSE, 'Another plausible joke but not the meme punchline.'),
13 (13, 'Because the bicycle needed repairs', FALSE, 'A twist, but not the actual meme punchline.'),
14 (14, 'Because the ocean waved at the beach', TRUE, 'A fun pun about the ocean and beach with a wave of humor.'),
15 (14, 'Because the ocean was calm', FALSE, 'A nice idea but not the meme punchline.'),
16 (14, 'Because the ocean was cold', FALSE, 'A plausible explanation, but not the meme punchline.'),
17 (14, 'Because the ocean has secrets', FALSE, 'A spooky take but not the right punchline.'),
18 (15, 'Because stairs are always up to something', TRUE, 'A pun about stairs, playing on the idea of them "being up to something."'),
19 (15, 'Because stairs are always down', FALSE, 'A good twist, but not the meme punchline.'),
20 (15, 'Because stairs are unreliable', FALSE, 'A fun variation, but not the main meme joke.'),
21 (15, 'Because stairs are sneaky', FALSE, 'A plausible take but not the punchline.');
22

```

# RESULT:

	result_id [PK] integer	user_id integer	quiz_id integer	score integer	attempt_date timestamp without time zone	time_taken integer	correct_answers integer	incorrect_answers integer	highest_streak integer	quiz_feedback text
1	1	1	1	80	2025-04-07 00:55:30.909853	120	8	2	4	'Great quiz, but a bit challenging'
2	2	2	2	90	2025-04-07 00:55:30.909853	150	9	1	5	'Very engaging questions, loved it!'
3	3	3	3	70	2025-04-07 00:55:30.909853	110	7	3	3	'The time limit was a bit tight, but good questions!'
4	4	4	1	85	2025-04-07 00:55:30.909853	130	8	2	5	'Well-designed quiz, I enjoyed it!'
5	5	5	2	95	2025-04-07 00:55:30.909853	140	9	0	6	'Great quiz, would love to see more!'
6	6	6	3	60	2025-04-07 00:55:30.909853	100	6	4	2	'Questions were too hard for me, but I tried my best!'
7	7	7	1	92	2025-04-07 00:55:30.909853	135	9	1	5	'Awesome quiz, I nailed it!'
8	8	8	2	75	2025-04-07 00:55:30.909853	120	7	3	4	'Good quiz, but the difficulty was inconsistent.'
9	9	9	3	80	2025-04-07 00:55:30.909853	110	8	2	4	'Interesting quiz, but some questions were tricky.'
10	10	10	1	88	2025-04-07 00:55:30.909853	125	8	2	5	'Nice challenge, felt balanced overall!'
11	11	11	2	77	2025-04-07 00:55:30.909853	115	7	3	3	'Fun quiz, though a bit repetitive at times.'
12	12	12	3	90	2025-04-07 00:55:30.909853	130	9	1	6	'Very well done, I enjoyed the difficulty!'
13	13	13	1	82	2025-04-07 00:55:30.909853	120	8	2	4	'Good quiz, would love a little more variety in questions.'
14	14	14	2	91	2025-04-07 00:55:30.909853	140	9	0	6	'Really liked it, challenging but fair.'
15	15	15	3	79	2025-04-07 00:55:30.909853	125	8	2	5	'Nice mix of easy and tough questions!'

```

1 ✓ INSERT INTO result (user_id, quiz_id, score, time_taken, correct_answers, incorrect_answers, highest_streak, quiz_feedback)
2 VALUES
3 (1, 1, 80, 120, 8, 2, 4, 'Great quiz, but a bit challenging'),
4 (2, 2, 90, 150, 9, 1, 5, 'Very engaging questions, loved it!'),
5 (3, 3, 70, 110, 7, 3, 3, 'The time limit was a bit tight, but good questions!'),
6 (4, 1, 85, 130, 8, 2, 5, 'Well-designed quiz, I enjoyed it!'),
7 (5, 2, 95, 140, 9, 0, 6, 'Great quiz, would love to see more!'),
8 (6, 3, 60, 100, 6, 4, 2, 'Questions were too hard for me, but I tried my best!'),
9 (7, 1, 92, 135, 9, 1, 5, 'Awesome quiz, I nailed it!'),
10 (8, 2, 75, 120, 7, 3, 4, 'Good quiz, but the difficulty was inconsistent.'),
11 (9, 3, 80, 110, 8, 2, 4, 'Interesting quiz, but some questions were tricky.'),
12 (10, 1, 88, 125, 8, 2, 5, 'Nice challenge, felt balanced overall!'),
13 (11, 2, 77, 115, 7, 3, 3, 'Fun quiz, though a bit repetitive at times.'),
14 (12, 3, 90, 130, 9, 1, 6, 'Very well done, I enjoyed the difficulty!'),
15 (13, 1, 82, 120, 8, 2, 4, 'Good quiz, would love a little more variety in questions.'),
16 (14, 2, 91, 140, 9, 0, 6, 'Really liked it, challenging but fair!'),
17 (15, 3, 79, 125, 8, 2, 5, 'Nice mix of easy and tough questions!');

18

```

# REWARD:

	reward_id [PK] integer	user_id integer	reward_name character varying (100)	points_required integer	granted_at timestamp without time zone	reward_type character varying (50)	status character varying (50)
1	1	1	Gold Badge	1000	2025-04-07 00:57:01.032462	Achievement	Granted
2	2	2	Silver Badge	750	2025-04-07 00:57:01.032462	Achievement	Granted
3	3	3	Bronze Badge	500	2025-04-07 00:57:01.032462	Achievement	Granted
4	4	4	Top Performer	1500	2025-04-07 00:57:01.032462	Achievement	Granted
5	5	5	Quiz Master	1200	2025-04-07 00:57:01.032462	Achievement	Pending
6	6	6	Exclusive Content	300	2025-04-07 00:57:01.032462	Access	Granted
7	7	7	VIP Access	500	2025-04-07 00:57:01.032462	Access	Pending
8	8	8	Early Bird	200	2025-04-07 00:57:01.032462	Access	Granted
9	9	9	Perfect Score	1000	2025-04-07 00:57:01.032462	Achievement	Granted
10	10	10	Super User	800	2025-04-07 00:57:01.032462	Achievement	Pending
11	11	11	Leaderboard Champion	1300	2025-04-07 00:57:01.032462	Achievement	Granted
12	12	12	Bonus Points	400	2025-04-07 00:57:01.032462	Access	Granted
13	13	13	Gold Membership	1500	2025-04-07 00:57:01.032462	Subscription	Pending
14	14	14	Expert Status	600	2025-04-07 00:57:01.032462	Achievement	Granted
15	15	15	Exclusive Badge	900	2025-04-07 00:57:01.032462	Achievement	Pending

```
1 ✓ INSERT INTO reward (user_id, reward_name, points_required, reward_type, status)
2 VALUES
3 (1, 'Gold Badge', 1000, 'Achievement', 'Granted'),
4 (2, 'Silver Badge', 750, 'Achievement', 'Granted'),
5 (3, 'Bronze Badge', 500, 'Achievement', 'Granted'),
6 (4, 'Top Performer', 1500, 'Achievement', 'Granted'),
7 (5, 'Quiz Master', 1200, 'Achievement', 'Pending'),
8 (6, 'Exclusive Content', 300, 'Access', 'Granted'),
9 (7, 'VIP Access', 500, 'Access', 'Pending'),
10 (8, 'Early Bird', 200, 'Access', 'Granted'),
11 (9, 'Perfect Score', 1000, 'Achievement', 'Granted'),
12 (10, 'Super User', 800, 'Achievement', 'Pending'),
13 (11, 'Leaderboard Champion', 1300, 'Achievement', 'Granted'),
14 (12, 'Bonus Points', 400, 'Access', 'Granted'),
15 (13, 'Gold Membership', 1500, 'Subscription', 'Pending'),
16 (14, 'Expert Status', 600, 'Achievement', 'Granted'),
17 (15, 'Exclusive Badge', 900, 'Achievement', 'Pending');
```

# FEEDBACK:

	<b>feedback_id</b> [PK] integer	<b>user_id</b> integer	<b>quiz_id</b> integer	<b>rating</b> integer	<b>comment</b> text	<b>submitted_at</b> timestamp without time zone	<b>response_from_admin</b> text	<b>feedback_category</b> character varying (50)
1	1	1	1	5	Great quiz, very informative and fun!	2025-04-07 00:58:27.258974	[null]	General
2	2	2	2	4	It was a good experience, but I would prefer more challenging questio...	2025-04-07 00:58:27.258974	[null]	General
3	3	3	3	3	Some questions were too easy, would appreciate more variety.	2025-04-07 00:58:27.258974	[null]	General
4	4	4	4	5	Loved the quiz, especially the questions about memes!	2025-04-07 00:58:27.258974	[null]	General
5	5	5	5	4	Nice quiz, but I think the timing was a bit too tight.	2025-04-07 00:58:27.258974	[null]	Timing
6	6	6	6	2	The questions were a bit repetitive, needs more diversity.	2025-04-07 00:58:27.258974	[null]	Content
7	7	7	7	5	I enjoyed it thoroughly, would recommend to my friends!	2025-04-07 00:58:27.258974	[null]	General
8	8	8	8	3	The interface was a bit confusing, could be improved.	2025-04-07 00:58:27.258974	[null]	Interface
9	9	9	9	4	Good quiz, but some of the questions seemed a bit unclear.	2025-04-07 00:58:27.258974	[null]	Content
10	10	10	10	5	Excellent experience, definitely coming back for more!	2025-04-07 00:58:27.258974	[null]	General
11	11	11	11	2	There were some technical issues, but overall, it was okay.	2025-04-07 00:58:27.258974	[null]	Technical
12	12	12	12	4	The variety of questions was good, but the explanations could be better.	2025-04-07 00:58:27.258974	[null]	Content
13	13	13	13	5	Absolutely loved it! Very engaging and fun!	2025-04-07 00:58:27.258974	[null]	General
14	14	14	14	3	It was an average quiz, not too exciting but decent.	2025-04-07 00:58:27.258974	[null]	General
15	15	15	15	4	Very good, but please add more time for each question.	2025-04-07 00:58:27.258974	[null]	Timing

```

1 ✓ INSERT INTO feedback (user_id, quiz_id, rating, comment, feedback_category)
2 VALUES
3 (1, 1, 5, 'Great quiz, very informative and fun!', 'General'),
4 (2, 2, 4, 'It was a good experience, but I would prefer more challenging questions.', 'General'),
5 (3, 3, 3, 'Some questions were too easy, would appreciate more variety.', 'General'),
6 (4, 4, 5, 'Loved the quiz, especially the questions about memes!', 'General'),
7 (5, 5, 4, 'Nice quiz, but I think the timing was a bit too tight.', 'Timing'),
8 (6, 6, 2, 'The questions were a bit repetitive, needs more diversity.', 'Content'),
9 (7, 7, 5, 'I enjoyed it thoroughly, would recommend to my friends!', 'General'),
10 (8, 8, 3, 'The interface was a bit confusing, could be improved.', 'Interface'),
11 (9, 9, 4, 'Good quiz, but some of the questions seemed a bit unclear.', 'Content'),
12 (10, 10, 5, 'Excellent experience, definitely coming back for more!', 'General'),
13 (11, 11, 2, 'There were some technical issues, but overall, it was okay.', 'Technical'),
14 (12, 12, 4, 'The variety of questions was good, but the explanations could be better.', 'Content'),
15 (13, 13, 5, 'Absolutely loved it! Very engaging and fun!', 'General'),
16 (14, 14, 3, 'It was an average quiz, not too exciting but decent.', 'General'),
17 (15, 15, 4, 'Very good, but please add more time for each question.', 'Timing');
18

```

## ALTER (another examples):

```
ALTER TABLE IF EXISTS questions_medium RENAME TO question_medium;
```

Messages

Query returned successfully in 72 msec.

```
ALTER TABLE IF EXISTS questions_difficult RENAME TO question_difficul
```

Messages

Query returned successfully in 71 msec.

```
ALTER TABLE IF EXISTS userr RENAME TO user ;
```

Messages

Query returned successfully in 75 msec.

```
ALTER TABLE IF EXISTS quizzes RENAME TO quiz;
```

Messages

Query returned successfully in 60 msec.

## USER:

```
-- пример 1  
ALTER TABLE user    ADD phone_number VARCHAR(20);
```

### Messages

Query returned successfully in 65 msec.

phone\_number  
character varying (20) 

---

```
ALTER TABLE user    DROP COLUMN phone_number;
```

---

### Messages

Query returned successfully in 60 msec.

## QUIZ:

```
ALTER TABLE quiz ADD is_active BOOLEAN DEFAULT TRUE;
```

### Messages

Query returned successfully in 66 msec.

is\_active  
boolean

```
ALTER TABLE quiz DROP COLUMN is_active;
```

### Messages

Query returned successfully in 92 msec.

## QUESTIONS:

```
ALTER TABLE question_easy ADD is_mandatory BOOLEAN DEFAULT FALSE;
```

---

### Messages

Query returned successfully in 85 msec.

is\_mandatory  
boolean

```
ALTER TABLE question_easy DROP COLUMN is_mandatory;
```

---

### Messages

Query returned successfully in 90 msec.

## ANSWERS:

```
ALTER TABLE answer_difficult
ALTER COLUMN submission_count TYPE SMALLINT;
```

Messages

Query returned successfully in 88 msec.

submission_count
smallint

```
ALTER TABLE answer_difficult
ALTER COLUMN submission_count TYPE INTEGER;
```

Messages

Query returned successfully in 90 msec.

## RESULT:

```
ALTER TABLE result ADD grade CHAR(2);
```

Messages

Query returned successfully in 100 msec.

grade  
character (2) 

```
ALTER TABLE result DROP COLUMN grade;
```

Messages

Query returned successfully in 78 msec.

## REWARD:

```
ALTER TABLE reward  
ADD COLUMN reward_level VARCHAR(50);
```

Messages

Query returned successfully in 91 msec.

reward\_level  
character varying (50) 

```
ALTER TABLE reward  
DROP COLUMN reward_level;
```

Messages

Query returned successfully in 99 msec.

## FEEDBACK:

```
ALTER TABLE feedback RENAME COLUMN comment TO user_comment;
```

Messages

Query returned successfully in 81 msec.

user\_comment  
text

```
ALTER TABLE feedback RENAME COLUMN user_comment TO comment;
```

Messages

Query returned successfully in 93 msec.