

CONCEPTION PHASE

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Brief Description:

The goal of the Airbnb Database System project is to create and put into place a reliable database architecture that will enable the features of a platform for managing accommodations that is comparable to Airbnb. Using MySQL Workbench (see (Krogh, 2020) for Entity-Relationship Modeling (ERM) and Excel to create the data dictionary, the project places a focus on faster booking procedures, effective host-guest communication, and user-preference-driven individualized suggestions. The first step was analyzing and collecting system requirements, defining user roles (guests, hosts, and administrators), outlining the actions that go along with each position, and figuring out what information and features were needed. To help with the design of the ERM, these needs were painstakingly recorded.

Users, properties, reservations, messages, access levels, and their relationships were all well defined in the carefully constructed ERM. To ensure data integrity and standardization, relationships were created to indicate linkages between entities, and attributes were carefully defined to capture important information. Later, tables for every item were created and foreign key constraints were applied for referential integrity when the database structure was put into practice in MySQL Workbench. To record properties, data types, and descriptions for future use, a data dictionary built on Excel was created concurrently. To sum up, this phase provides a structured database model that complies with system requirements, laying the foundation for the Airbnb Database System.

1. Requirement Specification: Database for Airbnb Use Case

1) Roles of Users

- Hosts: They oversee reservations and list properties.
- Guests: They look for properties, reserve them, and write reviews.
- Managers: They keep an eye on the platform, handling conflicts and making sure rules are followed.

2) Actions:

- Guests: Search for properties based on criteria, reserve accommodations for selected dates, and provide feedback on stays
- Hosts: Add properties with details and availability, confirm bookings, communicate with guests, and address guest reviews.
- Administrators: Handle registrations and account issues, moderate and update property listings, implement updates, and resolve disputes.

3) Data

- User: Details such as account status, role, email, and name.
- Property: Information on the location, features, cost, and availability.
- Reservation: Consists of visitor, venue, dates, and payment details.
- Review: Includes reviewer information, content, and rating.
- Messaging System: Enables hosts and guests to communicate about bookings and inquiries.
- Search and Recommendation: Helps users find accommodations matching their preferences and location.

4) Functions

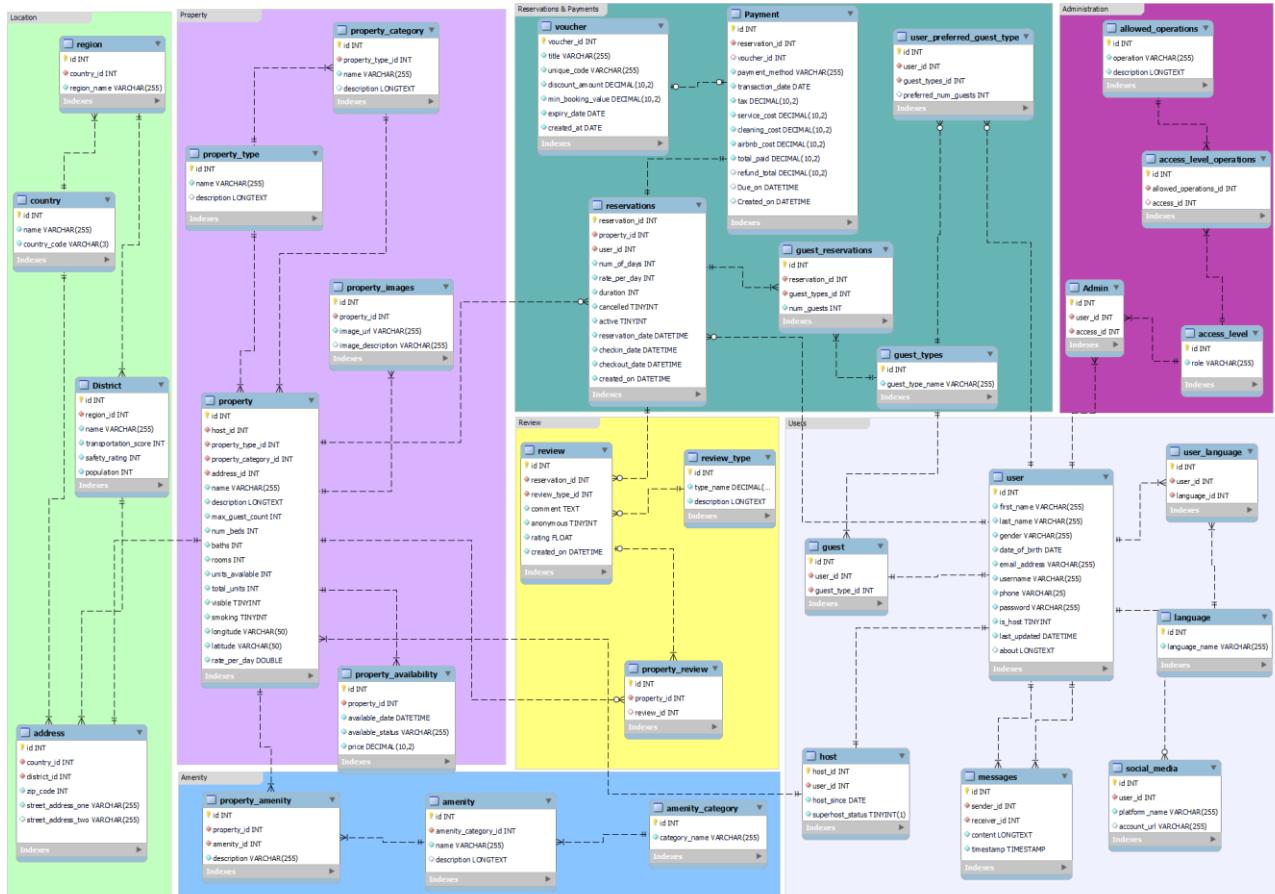
- Search: Enable guests to find properties.
- Booking: Allow guests to book accommodation and hosts to manage bookings.
- Messaging: Facilitate communication between guests and hosts.

- Review: Allow guests to leave reviews and hosts to respond.
- Administrative: Provide moderators tools for managing users, listings, and platform operations.

2. Entity-Relationship Model

Figure 1

Enhanced ER diagram for an Airbnb database system.



Note. Own representation created by MySQL workbench.

3. Data Dictionary

Figure 2

Enhanced Data Dictionary for an Airbnb database system.

schema_nm	table_nm	obj_typ	ord	is_key	column_nm	data_typ	nullable	column_descr
airbnb	access_level	TBL	1	PK	id	int(10)	NOT NULL	Unique identifier for each access level.
airbnb	access_level	TBL	2		role	varchar(255)	NOT NULL	The name of the role associated with a specific access level.
airbnb	access_level_operations	TBL	1	PK	id	int(10)	NOT NULL	Unique identifier for each access level operation mapping.
airbnb	access_level_operations	TBL	2	FK	allowed_operations_id	int(10)	NOT NULL	Foreign key referencing the identifier of the allowed operation.
airbnb	access_level_operations	TBL	3	FK	access_id	int(10)	NULL	Foreign key referencing the identifier of the access level.
airbnb	address	TBL	1	PK	id	int(10)	NOT NULL	Unique identifier for each address entry.
airbnb	address	TBL	2	FK	country_id	int(10)	NOT NULL	Foreign key referencing the identifier of the country in which the address is located.
airbnb	address	TBL	3	FK	district_id	int(10)	NOT NULL	Foreign key referencing the identifier of the district in which the address is located.
airbnb	address	TBL	4		zip_code	varchar(20)	NULL	The postal code associated with the address.
airbnb	address	TBL	5		street_address_one	varchar(255)	NOT NULL	The primary street address (usually includes building number and street name).
airbnb	address	TBL	6		street_address_two	varchar(255)	NULL	An optional second line for the street address (can include apartment, suite, unit, building, floor, etc.).
airbnb	admin	TBL	1	PK	id	int(10)	NOT NULL	Unique identifier for admin records.
airbnb	admin	TBL	2	FK	user_id	int(10)	NOT NULL	Foreign key referencing user ID.
airbnb	admin	TBL	3	FK	access_id	int(10)	NOT NULL	Foreign key referencing access ID.
airbnb	allowed_operations	TBL	1	PK	id	int(10)	NOT NULL	Unique identifier for allowed operations.
airbnb	allowed_operations	TBL	2		operation	varchar(255)	NOT NULL	Operation allowed in the system.
airbnb	allowed_operations	TBL	3		description	longtext(4294967295)	NOT NULL	Description of the operation.
airbnb	amenity	TBL	1	PK	id	int(10)	NOT NULL	Unique identifier for amenities.
airbnb	amenity	TBL	2	FK	amenity_category_id	int(10)	NOT NULL	Foreign key referencing amenity categories.
airbnb	amenity	TBL	3		name	varchar(255)	NOT NULL	Name of the amenity.
airbnb	amenity	TBL	4		description	longtext(4294967295)	NULL	Description of the amenity.
airbnb	amenity_category	TBL	1	PK,UK	id	int(10)	NOT NULL	Unique identifier for amenity categories.
airbnb	amenity_category	TBL	2		category_name	varchar(255)	NOT NULL	Name of the amenity category.
airbnb	country	TBL	1	PK,UK	id	int(10)	NOT NULL	Unique identifier for each country record.
airbnb	country	TBL	2		name	varchar(255)	NOT NULL	Name of the country.
airbnb	country	TBL	3		country_code	varchar(3)	NOT NULL	Country code.
airbnb	district	TBL	1	PK	id	int(10)	NOT NULL	Unique identifier for each district.
airbnb	district	TBL	2	FK	region_id	int(10)	NOT NULL	Foreign key referencing region ID.
airbnb	district	TBL	3		name	varchar(255)	NOT NULL	Name of the district.
airbnb	district	TBL	4		transportation_score	int(10)	NOT NULL	Transportation score for the district.
airbnb	district	TBL	5		safety_rating	int(10)	NOT NULL	Safety rating of the district.
airbnb	district	TBL	6		population	int(10)	NOT NULL	Population of the district.
airbnb	guest	TBL	1	PK	id	int(10)	NOT NULL	Unique identifier for guest records.
airbnb	guest	TBL	2	FK	user_id	int(10)	NOT NULL	Foreign key referencing user ID.
airbnb	guest	TBL	3	FK	guest_type_id	int(10)	NOT NULL	Foreign key referencing guest type ID.
airbnb	guest_reservations	TBL	1	PK	id	int(10)	NOT NULL	Unique identifier for guest reservations.
airbnb	guest_reservations	TBL	2	FK	reservation_id	int(10)	NOT NULL	Foreign key referencing reservation ID.
airbnb	guest_reservations	TBL	3	FK	guest_types_id	int(10)	NOT NULL	Foreign key referencing guest type ID.
airbnb	guest_reservations	TBL	4		num_guests	int(10)	NOT NULL	Number of guests for a reservation.
airbnb	guest_types	TBL	1	PK	id	int(10)	NOT NULL	Unique identifier for each guest type record.
airbnb	guest_types	TBL	2		guest_type_name	varchar(255)	NOT NULL	Name of the guest type.
airbnb	host	TBL	1	PK	host_id	int(10)	NOT NULL	Unique identifier for each host record.
airbnb	host	TBL	2	FK,UK	user_id	int(10)	NOT NULL	Foreign key and unique key referencing user ID.
airbnb	host	TBL	3		host_since	date(3)	NOT NULL	Date when the user became a host.
airbnb	host	TBL	4		superhost_status	tinyint(3)	NOT NULL	Boolean indicating superhost status.
airbnb	language	TBL	1	PK,UK	id	int(10)	NOT NULL	Unique identifier for each language record.
airbnb	language	TBL	2		language_name	varchar(255)	NOT NULL	Name of the language.
airbnb	messages	TBL	1	PK	id	int(10)	NOT NULL	Unique identifier for each message record.
airbnb	messages	TBL	2	FK	sender_id	int(10)	NOT NULL	Identifier of the user who sent the message.
airbnb	messages	TBL	3	FK	receiver_id	int(10)	NOT NULL	Identifier of the user who received the message.
airbnb	messages	TBL	4		content	longtext(4294967295)	NOT NULL	Content of the message.
airbnb	messages	TBL	5		timestamp	timestamp(4)	NOT NULL	Time when the message was sent.
airbnb	payment	TBL	1	PK	id	int(10)	NOT NULL	Unique identifier for each payment record.
airbnb	payment	TBL	2	FK	reservation_id	int(10)	NOT NULL	Identifier of the booking related to the transaction.
airbnb	payment	TBL	3	FK	voucher_id	int(10)	NULL	Identifier of the voucher used in the transaction.
airbnb	payment	TBL	4		payment_method	varchar(255)	NOT NULL	Payment method used in the transaction.

airbnb	payment	TBL	5	transaction_date	date(3)	NOT NULL	Date when the transaction was made.
airbnb	payment	TBL	6	tax	decimal(10,2)	NOT NULL	Tax amount in the transaction.
airbnb	payment	TBL	7	service_cost	decimal(10,2)	NOT NULL	Service charge in the transaction.
airbnb	payment	TBL	8	cleaning_cost	decimal(10,2)	NOT NULL	Cleaning charge in the transaction.
airbnb	payment	TBL	9	airbnb_cost	decimal(10,2)	NOT NULL	Airbnb charge in the transaction.
airbnb	payment	TBL	10	total_paid	decimal(10,2)	NOT NULL	Total amount paid.
airbnb	payment	TBL	11	refund_total	decimal(10,2)	NULL	Total refund amount.
airbnb	payment	TBL	12	Due_on	datetime(8)	NULL	Due date for payment.
airbnb	payment	TBL	13	Created_on	datetime(8)	NULL	Date when the transaction was created.
airbnb	property	TBL	1 PK	id	int(10)	NOT NULL	Unique identifier for each property record.
airbnb	property	TBL	2 FK	host_id	int(10)	NOT NULL	Identifier of the host associated with the property.
airbnb	property	TBL	3 FK	property_type_id	int(10)	NOT NULL	Identifier of the property type.
airbnb	property	TBL	4 FK	property_category_id	int(10)	NOT NULL	Identifier of the property category.
airbnb	property	TBL	5 FK	address_id	int(10)	NOT NULL	Identifier of the address associated with the property.
airbnb	property	TBL	6	name	varchar(255)	NOT NULL	Name of the property.
airbnb	property	TBL	7	description	longtext(4294967295)	NOT NULL	Description of the property.
airbnb	property	TBL	8	max_guest_count	int(10)	NOT NULL	Maximum number of guests allowed in the property.
airbnb	property	TBL	9	num_beds	int(10)	NOT NULL	Number of beds available in the property.
airbnb	property	TBL	10	baths	int(10)	NOT NULL	Number of bathrooms available in the property.
airbnb	property	TBL	11	rooms	int(10)	NOT NULL	Number of rooms in the property.
airbnb	property	TBL	12	units_available	int(10)	NOT NULL	Number of units available for booking.
airbnb	property	TBL	13	total_units	int(10)	NOT NULL	Total number of units in the property.
airbnb	property	TBL	14	visible	tinyint(3)	NOT NULL	Visibility status of the property.
airbnb	property	TBL	15	smoking	tinyint(3)	NOT NULL	Smoking policy of the property.
airbnb	property	TBL	16	longitude	varchar(50)	NOT NULL	Longitude coordinate of the property location.
airbnb	property	TBL	17	latitude	varchar(50)	NOT NULL	Latitude coordinate of the property location.
airbnb	property	TBL	18	rate_per_day	double(22)	NOT NULL	Rate per day for renting the property.
airbnb	property_amenity	TBL	1 PK	id	int(10)	NOT NULL	Unique identifier for each property amenity record.
airbnb	property_amenity	TBL	2 FK	property_id	int(10)	NOT NULL	Identifier of the property associated with the amenity.
airbnb	property_amenity	TBL	3 FK	amenity_id	int(10)	NOT NULL	Identifier of the amenity associated with the property.
airbnb	property_amenity	TBL	4	description	varchar(255)	NOT NULL	Description of the property amenity.
airbnb	property_availability	TBL	1 PK	id	int(10)	NOT NULL	Unique identifier for each property availability record.
airbnb	property_availability	TBL	2 FK	property_id	int(10)	NOT NULL	Identifier of the property associated with availability.
airbnb	property_availability	TBL	3	available_date	datetime(8)	NOT NULL	Date when the property is available.
airbnb	property_availability	TBL	4	available_status	varchar(255)	NOT NULL	Availability status of the property.
airbnb	property_availability	TBL	5	price	decimal(10,2)	NOT NULL	Price for booking the property on the available date.
airbnb	property_category	TBL	1 PK,UK	id	int(10)	NOT NULL	Unique identifier for each property category record.
airbnb	property_category	TBL	2 FK	property_type_id	int(10)	NOT NULL	Identifier of the property type associated with the category.
airbnb	property_category	TBL	3	name	varchar(255)	NOT NULL	Name of the property category.
airbnb	property_category	TBL	4	description	longtext(4294967295)	NULL	Description of the property category.
airbnb	property_images	TBL	1 PK	id	int(10)	NOT NULL	Unique identifier for each property image record.
airbnb	property_images	TBL	2 FK	property_id	int(10)	NOT NULL	Identifier of the property associated with the image.
airbnb	property_images	TBL	3	image_url	varchar(255)	NOT NULL	URL of the property image.
airbnb	property_images	TBL	4	image_description	varchar(255)	NULL	Description of the property image.
airbnb	property_review	TBL	1 PK	id	int(10)	NOT NULL	Unique identifier for each property review record.
airbnb	property_review	TBL	2 FK	property_id	int(10)	NOT NULL	Identifier of the property associated with the review.
airbnb	property_review	TBL	3 FK	review_id	int(10)	NULL	Identifier of the review associated with the property.
airbnb	property_type	TBL	1 PK,UK	id	int(10)	NOT NULL	Unique identifier for each property type record.
airbnb	property_type	TBL	2	name	varchar(255)	NOT NULL	Name of the property type.
airbnb	property_type	TBL	3	description	longtext(4294967295)	NULL	Description of the property type.
airbnb	region	TBL	1 PK,UK	id	int(10)	NOT NULL	Unique identifier for each region record.
airbnb	region	TBL	2 FK	country_id	int(10)	NOT NULL	Identifier of the country associated with the region.
airbnb	region	TBL	3	region_name	varchar(255)	NOT NULL	Name of the region.
airbnb	reservations	TBL	1 PK	reservation_id	int(10)	NOT NULL	Unique identifier for each reservation record.
airbnb	reservations	TBL	2 FK	property_id	int(10)	NOT NULL	Identifier of the property associated with the reservation.
airbnb	reservations	TBL	3 FK	user_id	int(10)	NOT NULL	Identifier of the user associated with the reservation.
airbnb	reservations	TBL	4	num_of_days	int(10)	NOT NULL	Number of days for which the property is reserved.

airbnb	reservations	TBL	5	rate_per_day	int(10)	NOT NULL	Rate per day for renting the property.
airbnb	reservations	TBL	6	duration	int(10)	NOT NULL	Duration of the reservation.
airbnb	reservations	TBL	7	cancelled	tinyint(3)	NOT NULL	Indicates if the reservation is cancelled.
airbnb	reservations	TBL	8	active	timestamp(4)	NOT NULL	Indicates the time that the reservation is active.
airbnb	reservations	TBL	9	reservation_date	datetime(8)	NOT NULL	Date of reservation.
airbnb	reservations	TBL	10	checkin_date	datetime(8)	NOT NULL	Date of check-in for the reservation.
airbnb	reservations	TBL	11	checkout_date	datetime(8)	NOT NULL	Date of check-out for the reservation.
airbnb	reservations	TBL	12	created_on	datetime(8)	NOT NULL	Date when the reservation was created.
airbnb	review	TBL	1 PK	id	int(10)	NOT NULL	Unique identifier for each review record.
airbnb	review	TBL	2 FK	reservation_id	int(10)	NOT NULL	Identifier of the reservation associated with the review.
airbnb	review	TBL	3 FK	review_type_id	int(10)	NOT NULL	Identifier of the review type.
airbnb	review	TBL	4	comment	text(65535)	NOT NULL	Comment associated with the review.
airbnb	review	TBL	5	anonymous	tinyint(3)	NOT NULL	Indicates if the review is anonymous.
airbnb	review	TBL	6	rating	float(12)	NOT NULL	Rating given in the review.
airbnb	review	TBL	7	created_on	datetime(8)	NOT NULL	Date when the review was created.
airbnb	review_type	TBL	1 PK	id	int(10)	NOT NULL	Unique identifier for each review type record.
airbnb	review_type	TBL	2	type_name	varchar(255)	NOT NULL	Name of the review type.
airbnb	review_type	TBL	3	description	longtext(4294967295)	NOT NULL	Description of the review type.
airbnb	social_media	TBL	1 PK	id	int(10)	NOT NULL	Unique identifier for each social media record.
airbnb	social_media	TBL	2 FK	user_id	int(10)	NOT NULL	Identifier of the user associated with the social media account.
airbnb	social_media	TBL	3	platform_name	varchar(255)	NULL	Name of the social media platform.
airbnb	social_media	TBL	4	account_url	varchar(255)	NULL	URL of the social media account.
airbnb	user	TBL	1 PK	id	int(10)	NOT NULL	Unique identifier for each user.
airbnb	user	TBL	2	first_name	varchar(255)	NOT NULL	First name of the user.
airbnb	user	TBL	3	last_name	varchar(255)	NOT NULL	Last name of the user.
airbnb	user	TBL	4	gender	varchar(255)	NOT NULL	Gender of the user.
airbnb	user	TBL	5	date_of_birth	date(3)	NOT NULL	Date of birth of the user.
airbnb	user	TBL	6 UK	email_address	varchar(255)	NOT NULL	Unique email address of the user.
airbnb	user	TBL	7 UK	username	varchar(255)	NOT NULL	Unique username chosen by the user.
airbnb	user	TBL	8	phone	varchar(25)	NOT NULL	Phone number of the user.
airbnb	user	TBL	9	password	varchar(255)	NOT NULL	Encrypted password of the user.
airbnb	user	TBL	10	is_host	tinyint(3)	NOT NULL	Indicates if the user is a host.
airbnb	user	TBL	11 UK	last_updated	datetime(8)	NOT NULL	Date when the user profile was last updated.
airbnb	user	TBL	12	about	longtext(4294967295)	NULL	Brief description or bio of the user.
airbnb	user_language	TBL	1 PK	id	int(10)	NOT NULL	Unique identifier for each user language.
airbnb	user_language	TBL	2 FK	user_id	int(10)	NOT NULL	Foreign key referencing the user table to associate language with a user.
airbnb	user_language	TBL	3 FK	language_id	int(10)	NOT NULL	Foreign key referencing the language table to specify the language.
airbnb	user_preferred_guest_type	TBL	1 PK	id	int(10)	NOT NULL	Unique identifier for each user's preferred guest type.
airbnb	user_preferred_guest_type	TBL	2 FK	user_id	int(10)	NOT NULL	Foreign key referencing the user table to associate the preference with a user.
airbnb	user_preferred_guest_type	TBL	3 FK	guest_types_id	int(10)	NULL	Foreign key referencing the guest_types table to specify the preferred guest type.
airbnb	user_preferred_guest_type	TBL	4	preferred_num_guests	int(10)	NULL	Number of preferred guests specified by the user.
airbnb	voucher	TBL	1 PK,UK	voucher_id	int(10)	NOT NULL	Unique identifier for each voucher.
airbnb	voucher	TBL	2	title	varchar(255)	NOT NULL	Title or name of the voucher.
airbnb	voucher	TBL	3	unique_code	varchar(255)	NOT NULL	Unique code assigned to the voucher.
airbnb	voucher	TBL	4	discount_amount	decimal(10,2)	NOT NULL	Amount of discount offered by the voucher.
airbnb	voucher	TBL	5	min_booking_value	decimal(10,2)	NOT NULL	Minimum booking value required to use the voucher.
airbnb	voucher	TBL	6	expiry_date	date(3)	NOT NULL	Date when the voucher expires.
airbnb	voucher	TBL	7	created_at	date(3)	NOT NULL	Date when the voucher was created.

Note. Own representation created by excel.

References

Krogh, J. W. (2020). MySQL workbench. In *Apress eBooks* (pp. 199–226).

https://doi.org/10.1007/978-1-4842-5584-1_11

PROJECT: BUILD A DATAMART IN SQL

A Use-Case of reserving a hotel room: Airbnb.

Development Phase (DLBDSPBDM01)

Presented by Charmaine

Agenda

Introduction

SQL Processes: Creating
Tables, Data Insertion Test-
Case

1. Introduction

-

MySQL Workbench



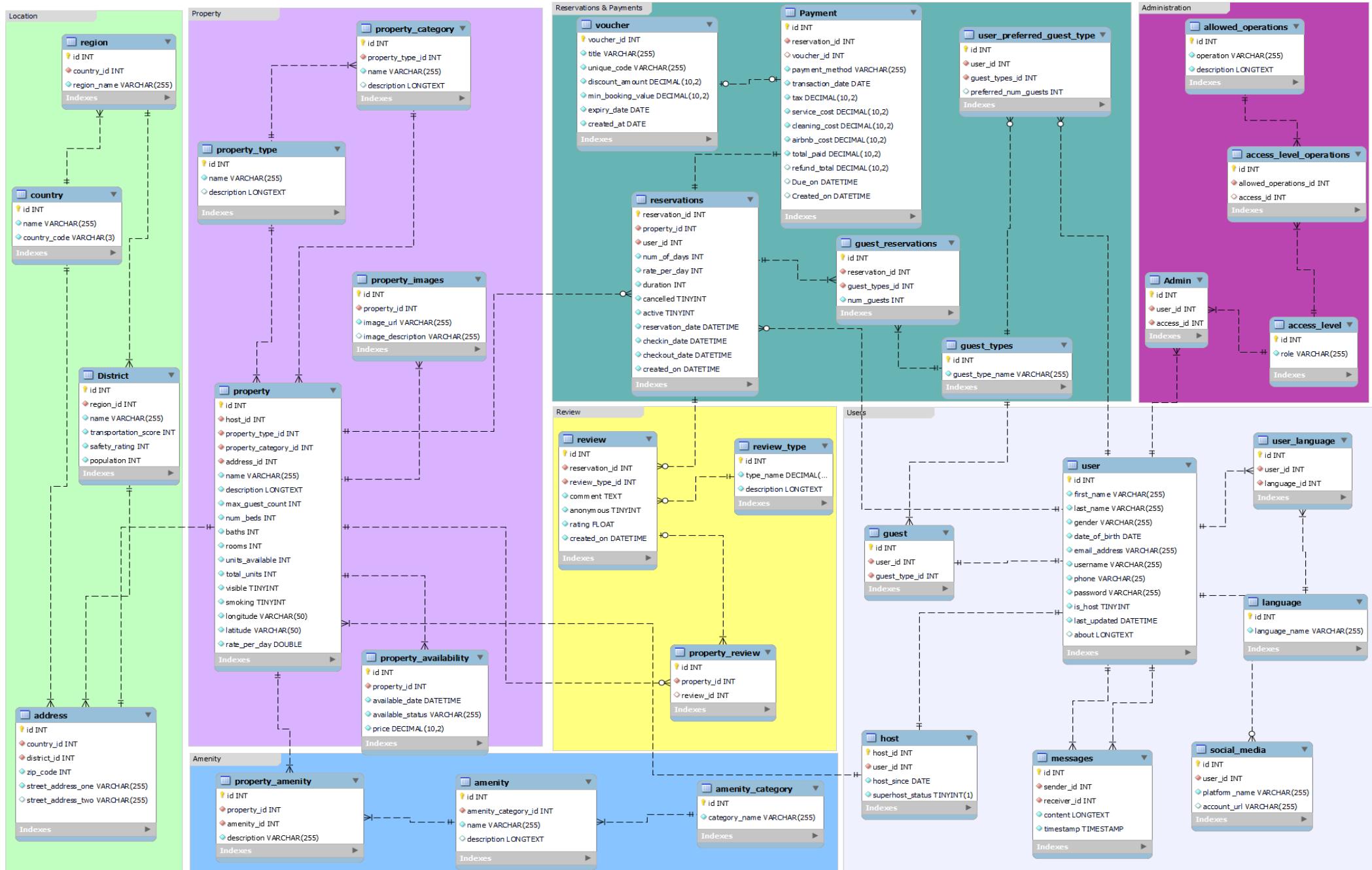
For this project, I opted for tools aimed at simplifying the database design and management tasks.

MySQL Workbench was my choice for handling the database, renowned for its intuitive interface and strong community backing.

Summary

In this project, a database mirroring the functionality of an Airbnb-like platform was constructed using my SQL skills. The construction commenced with the creation of an Entity-Relationship Diagram, which served as a visual blueprint for the database schema. A clear depiction of the database schema and the relationships between different entities was provided by the diagram. Entities such as users, properties, transactions, reservations, and reviews were encapsulated in tables designed to accommodate a wide array of data. To ensure the robustness and efficiency of the database, a series of test cases were developed and executed. Meticulous documentation of the outcomes of these tests was undertaken to provide a comprehensive understanding of the structure and capabilities of the database. Alongside the test results, illustrative screenshots of the database system were captured to demonstrate its functionality visually. These screenshots serve as a visual aid in comprehending the inner workings of the database. Following testing and documentation, the database is now primed for utilization in an Airbnb-like application.

Updated Entity Relationship Diagram



2. SQL Processes: Creating Tables, Data Insertion and Test-Case

Table Creation

Data Insertion

Test Case

Table Creation

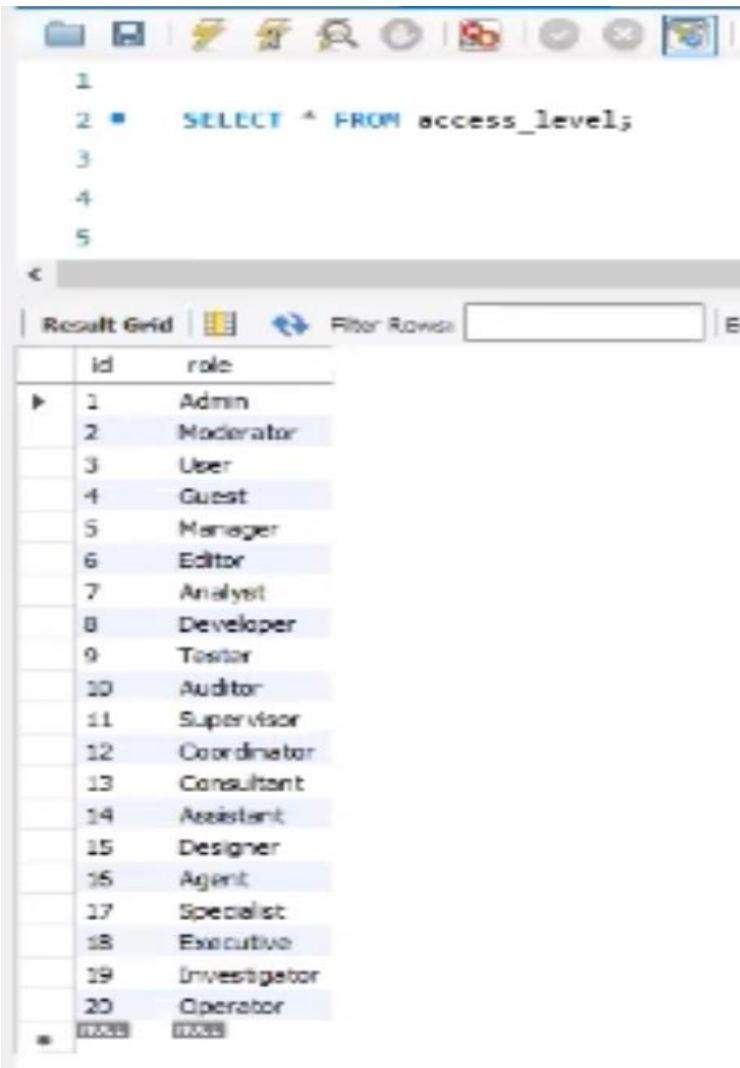
```
-- Schema airbnb  
-----  
-- Schema airbnb  
-----  
CREATE SCHEMA IF NOT EXISTS `airbnb` DEFAULT CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci ;  
USE `airbnb` ;
```

Utilizing the "airbnb" schema, we structure our database, employing it as a blueprint for organizing and accessing stored information.

access_level

```
-- Table `airbnb`.`access_level`  
--  
DROP TABLE IF EXISTS `airbnb`.`access_level` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`access_level` (  
  `id` INT NOT NULL,  
  `role` VARCHAR(255) NOT NULL,  
  PRIMARY KEY (`id`))  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```

CREATE TABLE



The screenshot shows a MySQL Workbench interface with a query editor and a result grid. The query editor contains the following SQL code:

```
1  
2 *  SELECT * FROM access_level;  
3  
4  
5
```

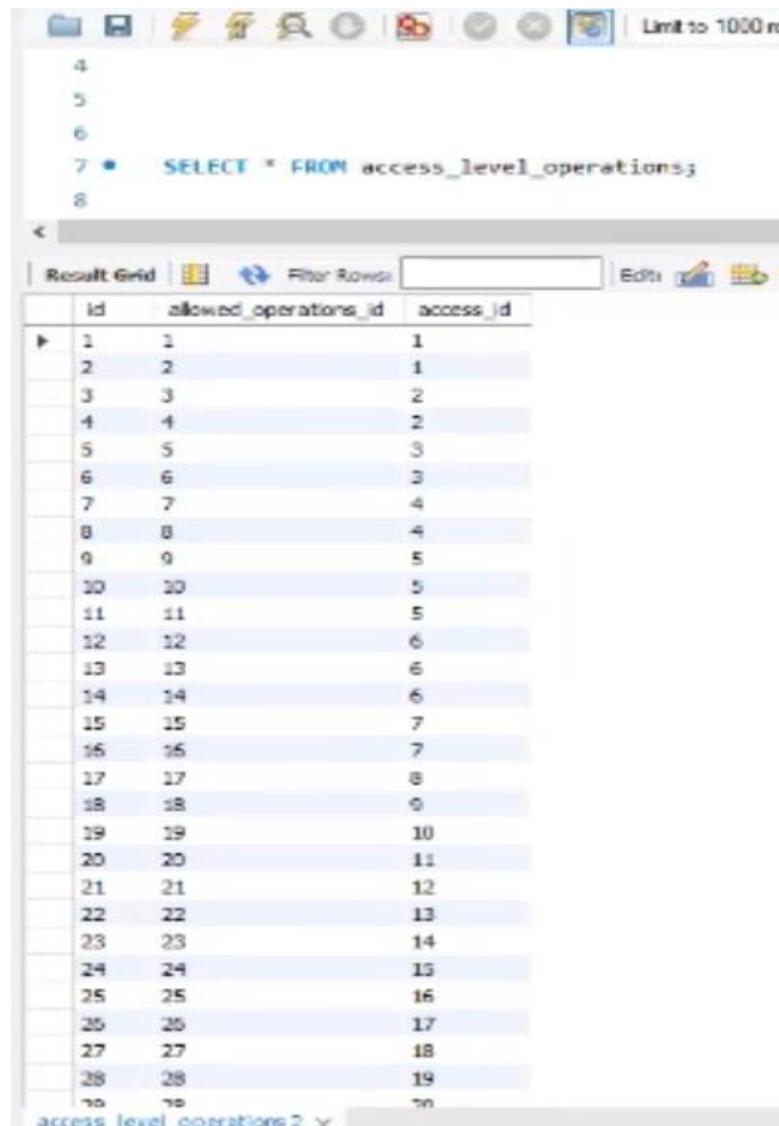
The result grid displays the data from the access_level table:

	Id	Role
1	1	Admin
2	2	Moderator
3	3	User
4	4	Guest
5	5	Manager
6	6	Editor
7	7	Analyst
8	8	Developer
9	9	Tester
10	10	Auditor
11	11	Supervisor
12	12	Coordinator
13	13	Consultant
14	14	Assistant
15	15	Designer
16	16	Agent
17	17	Specialist
18	18	Executive
19	19	Investigator
20	20	Operator

Retrieves all records from the access_level table, displaying all access levels available within the platform.

access_level_operations

```
-- Table `airbnb`.`access_level_operations`  
--  
DROP TABLE IF EXISTS `airbnb`.`access_level_operations` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`access_level_operations` (  
  `id` INT NOT NULL,  
  `allowed_operations_id` INT NOT NULL,  
  `access_id` INT NULL DEFAULT NULL,  
  PRIMARY KEY (`id`),  
  INDEX `access_id_fk8_idx` (`access_id` ASC) VISIBLE,  
  INDEX `allowed_operations-fk_idx` (`allowed_operations_id` ASC) VISIBLE,  
  CONSTRAINT `access_id_fk8`  
    FOREIGN KEY (`access_id`)  
    REFERENCES `airbnb`.`access_level` (`id`),  
  CONSTRAINT `allowed_operations-fk`  
    FOREIGN KEY (`allowed_operations_id`)  
    REFERENCES `airbnb`.`allowed_operations` (`id`))  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```



The screenshot shows a MySQL Workbench interface with a query editor and a result grid. The query is:

```
SELECT * FROM access_level_operations;
```

The result grid displays 29 rows of data:

id	allowed_operations_id	access_id
1	1	1
2	2	1
3	3	2
4	4	2
5	5	3
6	6	3
7	7	4
8	8	4
9	9	5
10	10	5
11	11	5
12	12	6
13	13	6
14	14	6
15	15	7
16	16	7
17	17	8
18	18	9
19	19	10
20	20	11
21	21	12
22	22	13
23	23	14
24	24	15
25	25	16
26	26	17
27	27	18
28	28	19
29	29	20

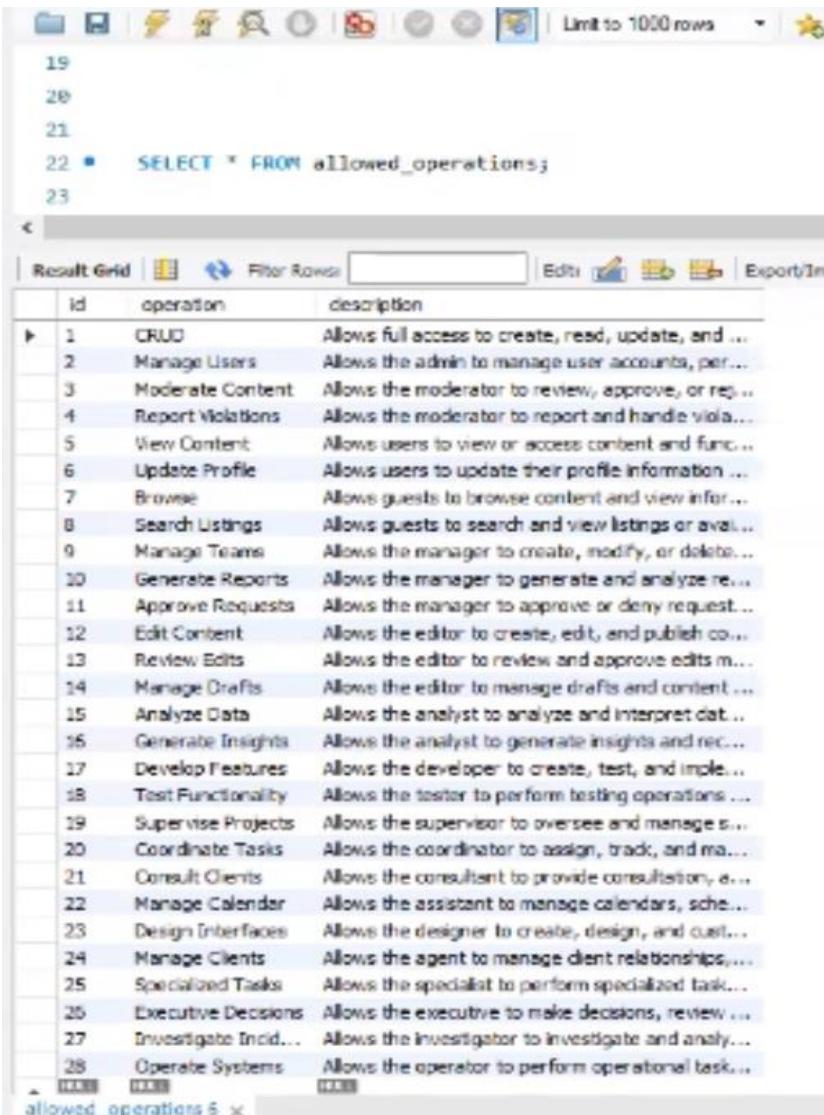
Retrieves all records from the access_level_operations table, showing the relationship between access levels and the operations they are allowed to perform.

CREATE TABLE

allowed_operations

```
-- Table `airbnb`.`allowed_operations`  
  
DROP TABLE IF EXISTS `airbnb`.`allowed_operations` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`allowed_operations` (  
  `id` INT NOT NULL,  
  `operation` VARCHAR(255) NOT NULL,  
  `description` LONGTEXT NOT NULL,  
  PRIMARY KEY (`id`))  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```

CREATE TABLE



The screenshot shows a MySQL Workbench interface with a query editor and a result grid. The query editor contains the following SQL code:

```
19  
20  
21  
22 *  SELECT * FROM allowed_operations;  
23
```

The result grid displays the data from the allowed_operations table:

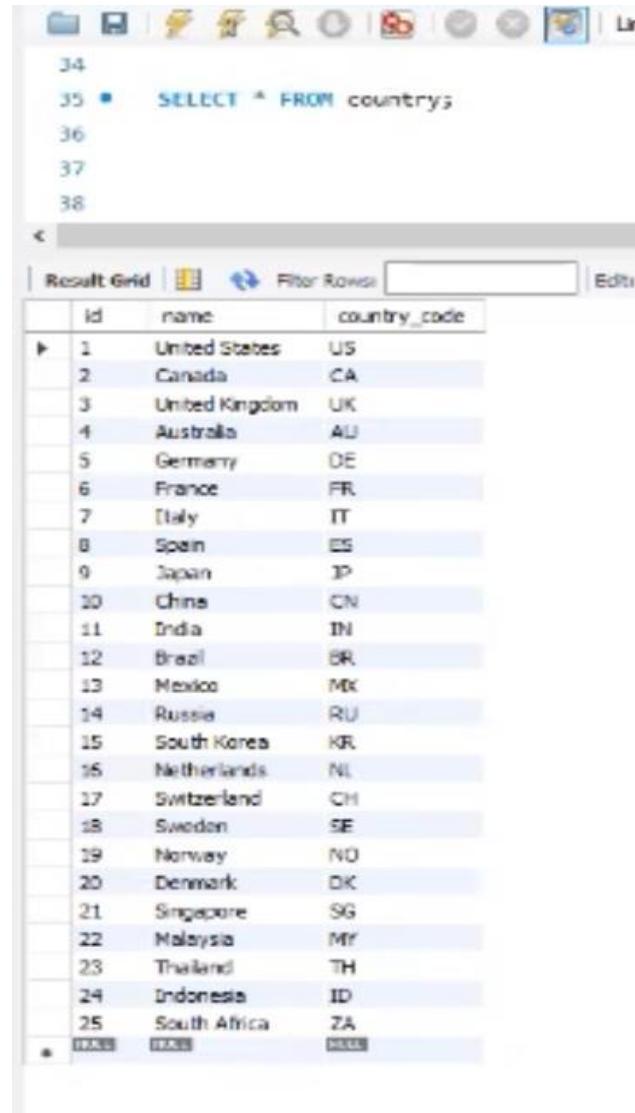
	Id	operation	description
1	1	CRUD	Allows full access to create, read, update, and ...
2	2	Manage Users	Allows the admin to manage user accounts, per...
3	3	Moderate Content	Allows the moderator to review, approve, or rej...
4	4	Report Violations	Allows the moderator to report and handle viola...
5	5	View Content	Allows users to view or access content and func...
6	6	Update Profile	Allows users to update their profile information ...
7	7	Browse	Allows guests to browse content and view infor...
8	8	Search Listings	Allows guests to search and view listings or avail...
9	9	Manage Teams	Allows the manager to create, modify, or delete...
10	10	Generate Reports	Allows the manager to generate and analyze re...
11	11	Approve Requests	Allows the manager to approve or deny request...
12	12	Edit Content	Allows the editor to create, edit, and publish co...
13	13	Review Edits	Allows the editor to review and approve edits m...
14	14	Manage Drafts	Allows the editor to manage drafts and content ...
15	15	Analyze Data	Allows the analyst to analyze and interpret dat...
16	16	Generate Insights	Allows the analyst to generate insights and rec...
17	17	Develop Features	Allows the developer to create, test, and imple...
18	18	Test Functionality	Allows the tester to perform testing operations ...
19	19	Supervise Projects	Allows the supervisor to oversee and manage s...
20	20	Coordinate Tasks	Allows the coordinator to assign, track, and ma...
21	21	Consult Clients	Allows the consultant to provide consultation, a...
22	22	Manage Calendar	Allows the assistant to manage calendars, sche...
23	23	Design Interfaces	Allows the designer to create, design, and cust...
24	24	Manage Clients	Allows the agent to manage client relationships...
25	25	Specialized Tasks	Allows the specialist to perform specialized task...
26	26	Executive Decisions	Allows the executive to make decisions, review ...
27	27	Investigate Incid...	Allows the investigator to investigate and analy...
28	28	Operate Systems	Allows the operator to perform operational task...

Retrieves all records from the allowed_operations table, listing the operations allowed for each access level.

```
-- Table `airbnb`.`country`  
--  
DROP TABLE IF EXISTS `airbnb`.`country` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`country` (  
  `id` INT NOT NULL AUTO_INCREMENT COMMENT,  
  `name` VARCHAR(255) NOT NULL,  
  `country_code` VARCHAR(3) NOT NULL,  
  PRIMARY KEY (`id`),  
  UNIQUE INDEX `country_name_UNIQUE` (`id` ASC) VISIBLE)  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```

CREATE TABLE

country



The screenshot shows a MySQL Workbench interface with a query editor and a result grid. The query editor contains the following SQL code:

```
34  
35 *  SELECT * FROM country;  
36  
37  
38
```

The result grid displays the following data:

	id	name	country_code
1	1	United States	US
2	2	Canada	CA
3	3	United Kingdom	UK
4	4	Australia	AU
5	5	Germany	DE
6	6	France	FR
7	7	Italy	IT
8	8	Spain	ES
9	9	Japan	JP
10	10	China	CN
11	11	India	IN
12	12	Brazil	BR
13	13	Mexico	MX
14	14	Russia	RU
15	15	South Korea	KR
16	16	Netherlands	NL
17	17	Switzerland	CH
18	18	Sweden	SE
19	19	Norway	NO
20	20	Denmark	DK
21	21	Singapore	SG
22	22	Malaysia	MY
23	23	Thailand	TH
24	24	Indonesia	ID
25	25	South Africa	ZA

Retrieves all records from the country table, displaying information about countries, including their names and codes.

region

```
-- Table `airbnb`.`region`  
  
DROP TABLE IF EXISTS `airbnb`.`region` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`region` (  
  `id` INT NOT NULL AUTO_INCREMENT COMMENT,  
  `country_id` INT NOT NULL,  
  `region_name` VARCHAR(255) NOT NULL COMMENT ,  
  PRIMARY KEY (`id`),  
  UNIQUE INDEX `region_name_UNIQUE` (`id` ASC) VISIBLE,  
  INDEX `country_id_fk1_idx` (`country_id` ASC) VISIBLE,  
  CONSTRAINT `country_id_fk1`  
    FOREIGN KEY (`country_id`)  
    REFERENCES `airbnb`.`country` (`id`))  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```



The screenshot shows a MySQL Workbench interface with a query editor and a result grid. The query editor contains the following SQL code:

```
183  
184 •  SELECT * FROM region;  
185  
186  
187
```

The result grid displays the data from the region table:

	Id	country_id	region_name
1	1		California
2	2		Ontario
3	3		England
4	4		New South Wales
5	5		Bavaria
6	6		Île-de-France
7	7		Lazio
8	8		Catalonia
9	9		Tokyo
10	10		Beijing
11	11		Maharashtra
12	12		São Paulo
13	13		Mexico City
14	14		Moscow Oblast
15	15		Seoul
16	16		North Holland
17	17		Zurich
18	18		Stockholm County
19	19		Oslo
20	20		Capital Region o...
21	21		Central Region
22	22		Kuala Lumpur
23	23		Bangkok
24	24		Jakarta
25	25		Gauteng

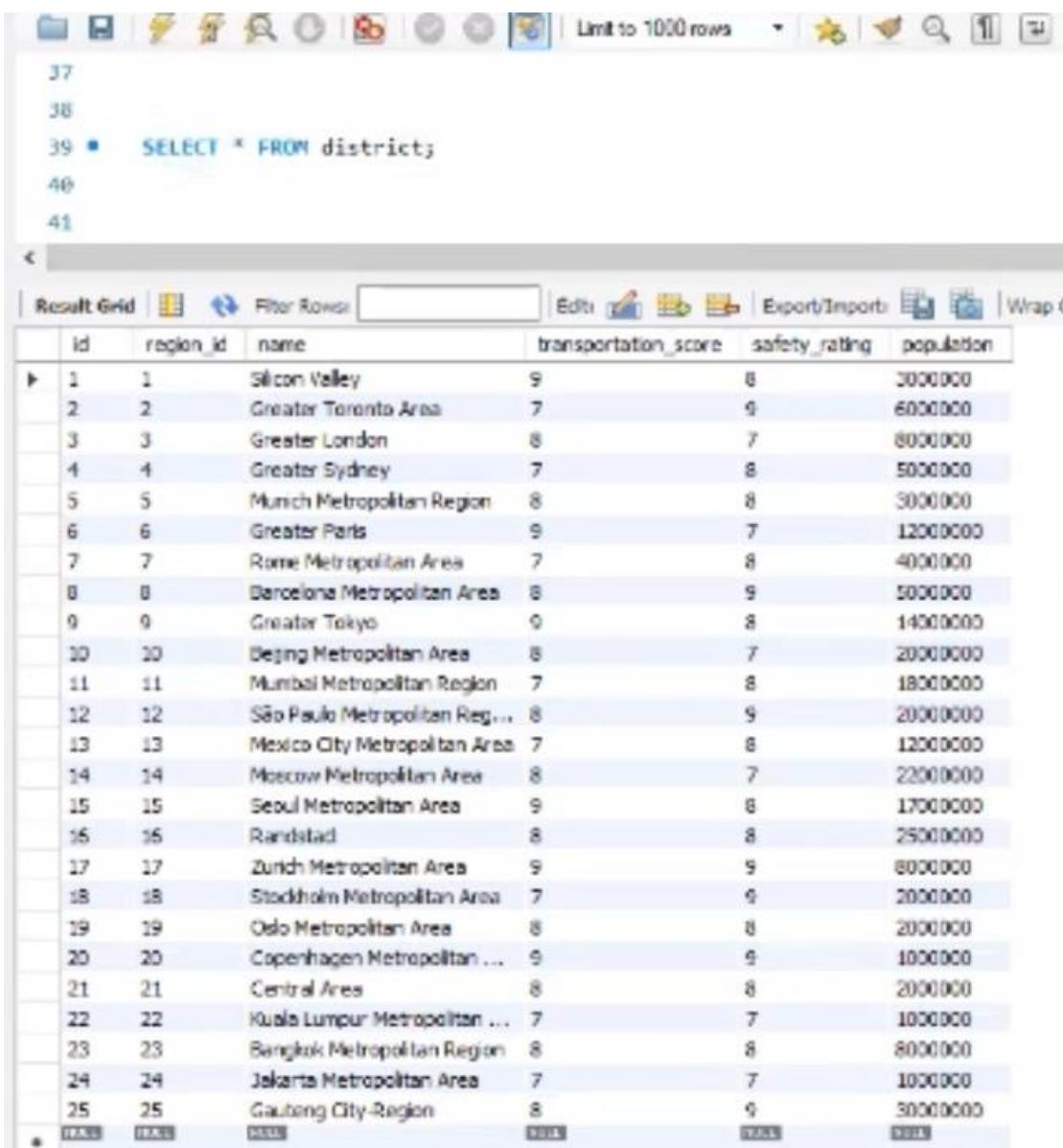
Retrieves all records from the region table, displaying information about regions within countries.

CREATE TABLE

district

```
-- Table `airbnb`.`district`  
  
DROP TABLE IF EXISTS `airbnb`.`district` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`district` (`  
  `id` INT NOT NULL AUTO_INCREMENT COMMENT ,  
  `region_id` INT NOT NULL COMMENT ,  
  `name` VARCHAR(255) NOT NULL COMMENT ,  
  `transportation_score` INT NOT NULL COMMENT ,  
  `safety_rating` INT NOT NULL COMMENT ,  
  `population` INT NOT NULL ,  
  PRIMARY KEY (`id`),  
  INDEX `region_id_fk2_idx` (`region_id` ASC) VISIBLE,  
  CONSTRAINT `region_id_fk2`  
    FOREIGN KEY (`region_id`)  
    REFERENCES `airbnb`.`region` (`id`))  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```

CREATE TABLE



The screenshot shows a MySQL Workbench interface with a results grid titled 'district'. The grid displays 25 rows of data with the following columns: Id, region_id, name, transportation_score, safety_rating, and population. The data includes major metropolitan areas like Silicon Valley, Greater Toronto Area, and Greater London.

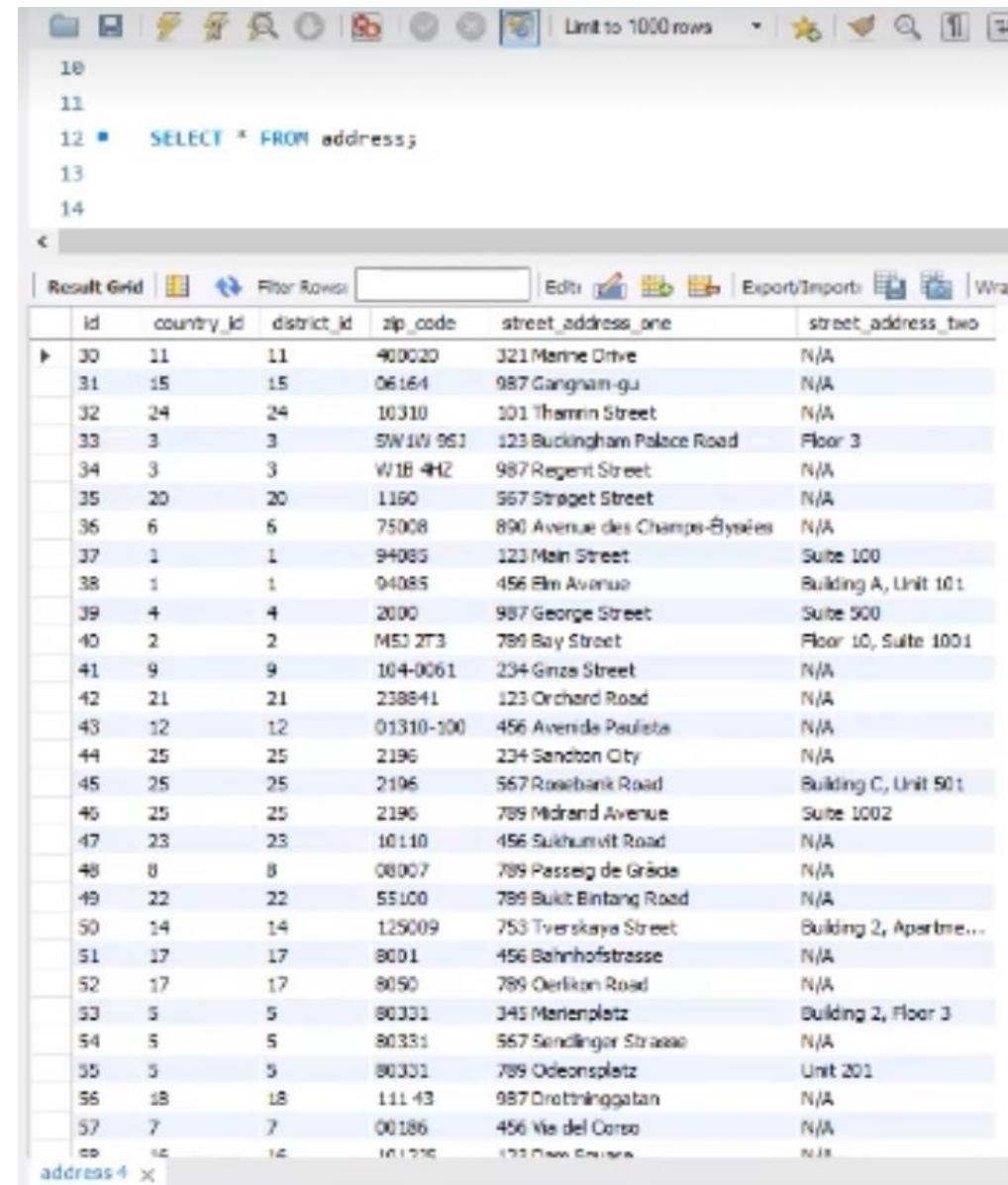
1	1	Silicon Valley	9	8	3000000
2	2	Greater Toronto Area	7	9	6000000
3	3	Greater London	8	7	8000000
4	4	Greater Sydney	7	8	5000000
5	5	Munich Metropolitan Region	8	8	3000000
6	6	Greater Paris	9	7	12000000
7	7	Rome Metropolitan Area	7	8	4000000
8	8	Barcelona Metropolitan Area	8	9	5000000
9	9	Greater Tokyo	9	8	14000000
10	10	Beijing Metropolitan Area	8	7	20000000
11	11	Mumbai Metropolitan Region	7	8	18000000
12	12	São Paulo Metropolitan Area	8	9	20000000
13	13	Mexico City Metropolitan Area	7	8	12000000
14	14	Moscow Metropolitan Area	8	7	22000000
15	15	Seoul Metropolitan Area	9	8	17000000
16	16	Randstad	8	8	25000000
17	17	Zurich Metropolitan Area	9	9	6000000
18	18	Stockholm Metropolitan Area	7	9	2000000
19	19	Oslo Metropolitan Area	8	8	2000000
20	20	Copenhagen Metropolitan Area	9	9	1000000
21	21	Central Area	8	8	2000000
22	22	Kuala Lumpur Metropolitan Area	7	7	1000000
23	23	Bangkok Metropolitan Region	8	8	8000000
24	24	Jakarta Metropolitan Area	7	7	1000000
25	25	Gauteng City-Region	8	9	3000000

Retrieves all records from the district table, displaying details about districts, including their region, transportation score, safety rating, and population.

address

```
-- Table `airbnb`.`address`  
--  
DROP TABLE IF EXISTS `airbnb`.`address` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`address` (  
  `id` INT NOT NULL AUTO_INCREMENT COMMENT ,  
  `country_id` INT NOT NULL COMMENT ,  
  `district_id` INT NOT NULL,  
  `zip_code` INT NOT NULL COMMENT ,  
  `street_address_one` VARCHAR(255) NOT NULL COMMENT ,  
  `street_address_two` VARCHAR(255) NULL DEFAULT NULL COMMENT ,  
  PRIMARY KEY (`id`),  
  INDEX `fk_address_country1_idx` (`country_id` ASC) VISIBLE,  
  INDEX `district_id_fk_idx` (`district_id` ASC) VISIBLE,  
  CONSTRAINT `district_id_fk`  
    FOREIGN KEY (`district_id`)  
    REFERENCES `airbnb`.`district` (`id`),  
  CONSTRAINT `fk_address_country`  
    FOREIGN KEY (`country_id`)  
    REFERENCES `airbnb`.`country` (`id`)  
    ON DELETE CASCADE  
    ON UPDATE CASCADE)  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```

CREATE TABLE



The screenshot shows a MySQL Workbench interface with a query editor and a result grid. The query editor contains the following SQL code:

```
10  
11  
12 *  SELECT * FROM address;  
13  
14
```

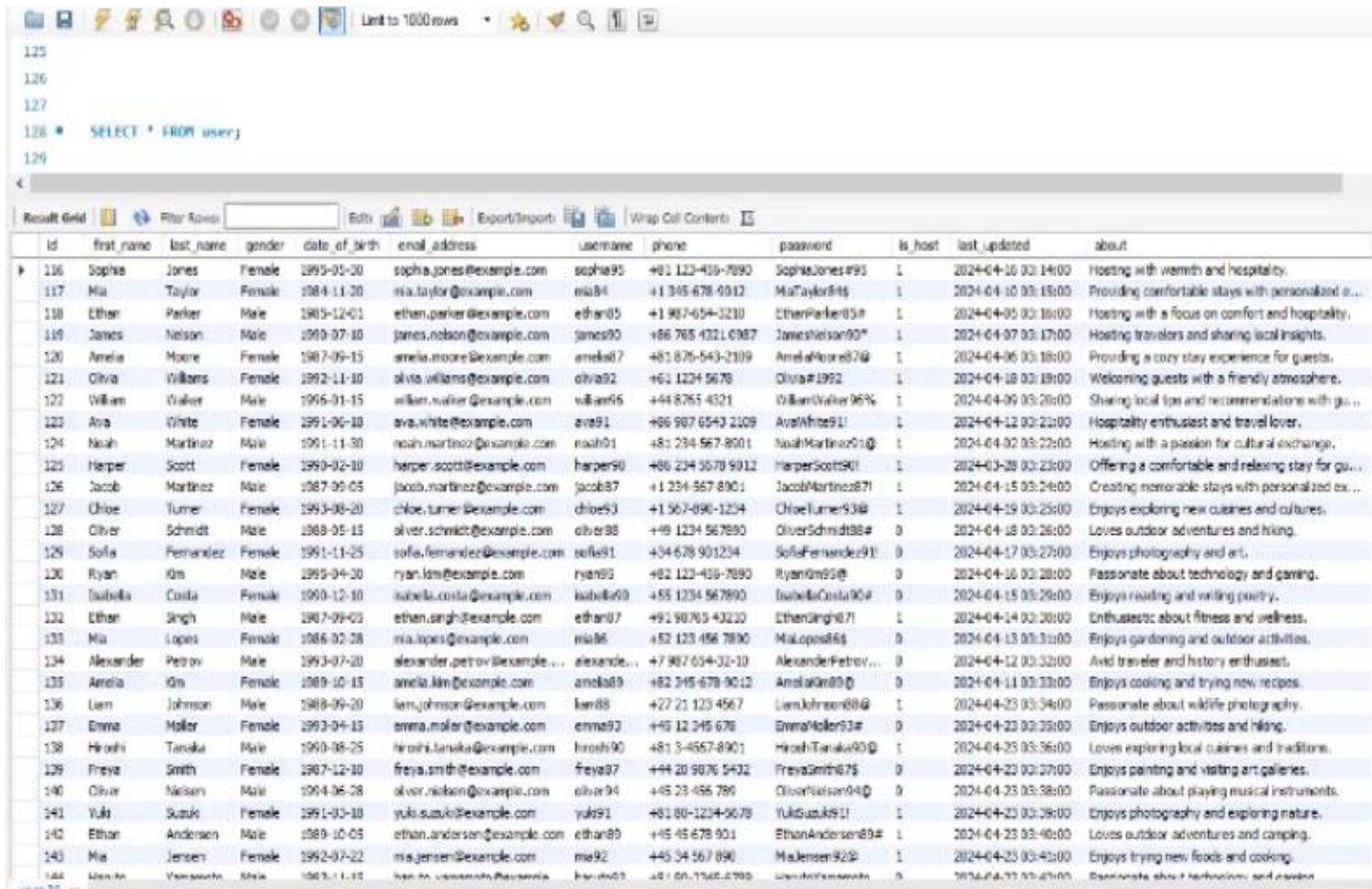
The result grid displays the following data:

	id	country_id	district_id	zip_code	street_address_one	street_address_two
▶	30	11	11	400020	321 Marine Drive	N/A
	31	15	15	06164	987 Gangnam-gu	N/A
	32	24	24	10310	101 Thamrin Street	N/A
	33	3	3	SW1W 9EJ	123 Buckingham Palace Road	Floor 3
	34	3	3	W1B 4HZ	987 Regent Street	N/A
	35	20	20	1160	567 Stratford Street	N/A
	36	6	6	75008	890 Avenue des Champs-Élysées	N/A
	37	1	1	94089	123 Main Street	Suite 100
	38	1	1	94085	456 Elm Avenue	Building A, Unit 101
	39	4	4	2000	987 George Street	Suite 500
	40	2	2	M5J 2T3	789 Bay Street	Floor 10, Suite 1001
	41	9	9	104-0061	234 Ginza Street	N/A
	42	21	21	238841	123 Orchard Road	N/A
	43	12	12	01310-100	456 Avenue Paulista	N/A
	44	25	25	2196	234 Sandton City	N/A
	45	25	25	2195	567 Rosebank Road	Building C, Unit 501
	46	25	25	2190	789 Midrand Avenue	Suite 1002
	47	23	23	10110	456 Sukhumvit Road	N/A
	48	8	8	08007	789 Passeig de Gràcia	N/A
	49	22	22	55100	789 Bulkt Bintang Road	N/A
	50	14	14	125009	753 Tverskaya Street	Building 2, Apartment...
	51	17	17	8001	456 Bahnhofstrasse	N/A
	52	17	17	8050	789 Oerlikon Road	N/A
	53	5	5	80331	345 Marienplatz	Building 2, Floor 3
	54	5	5	80331	567 Sendlinger Strasse	N/A
	55	5	5	80331	789 Odeonsplatz	Unit 201
	56	18	18	111-43	987 Drottninggatan	N/A
	57	7	7	00186	456 Via del Corso	N/A
»	58	14	14	101-716	123 Elm Street	N/A

Retrieves all records from the address table, displaying details such as country, district, zip code, and street addresses for various entities.

user

```
-- Table `airbnb`.`user`  
  
DROP TABLE IF EXISTS `airbnb`.`user` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`user` (  
  `id` INT NOT NULL AUTO_INCREMENT COMMENT ,  
  `first_name` VARCHAR(255) NOT NULL COMMENT ,  
  `last_name` VARCHAR(255) NOT NULL COMMENT ,  
  `gender` VARCHAR(255) NOT NULL COMMENT ,  
  `date_of_birth` DATE NOT NULL COMMENT ,  
  `email_address` VARCHAR(255) NOT NULL COMMENT ,  
  `username` VARCHAR(255) NOT NULL COMMENT ,  
  `phone` VARCHAR(255) NOT NULL COMMENT ,  
  `password` VARCHAR(255) NOT NULL COMMENT ,  
  `is_host` TINYINT NOT NULL COMMENT ,  
  `last_updated` DATETIME NOT NULL COMMENT ,  
  `about` LONGTEXT NULL DEFAULT NULL,  
  PRIMARY KEY (`id`),  
  UNIQUE INDEX `user_name_UNIQUE` (`username` ASC) VISIBLE,  
  UNIQUE INDEX `email_address_UNIQUE` (`email_address` ASC) VISIBLE,  
  UNIQUE INDEX `mobile_number_UNIQUE` (`last_updated` ASC) VISIBLE)  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```



The screenshot shows the MySQL Workbench interface with a database named 'airbnb'. A query window titled 'user' displays the following SQL command:

```
SELECT * FROM user;
```

The results grid shows 144 rows of data from the 'user' table. The columns are: id, first_name, last_name, gender, date_of_birth, email_address, username, phone, password, is_host, last_updated, and about. The data includes various names, birthdates, and descriptions, such as 'Hosting with warmth and hospitality' and 'Sharing local tips and recommendations with guests.'

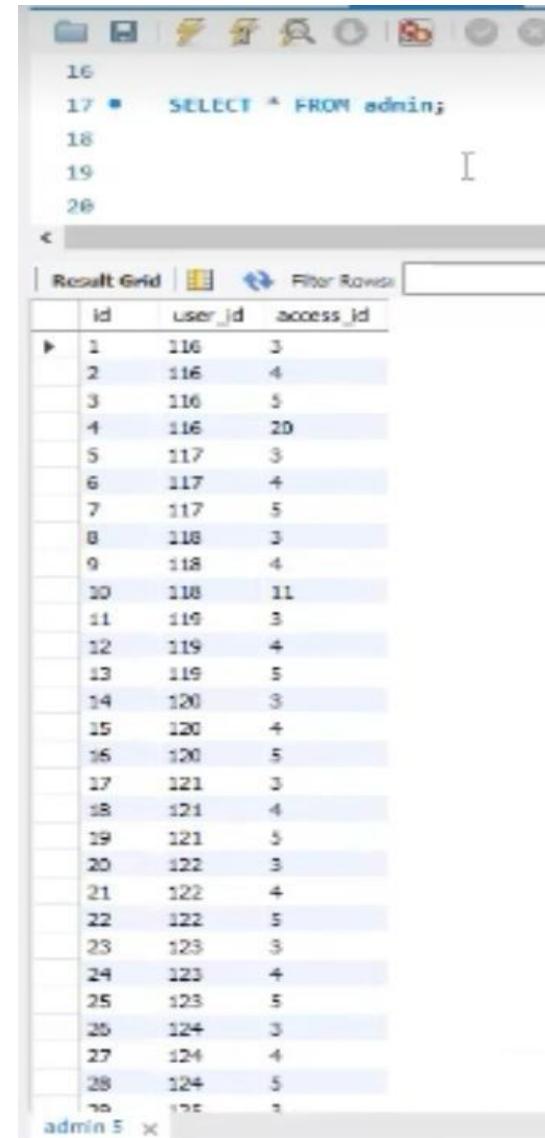
ID	First Name	Last Name	Gender	Date of Birth	Email Address	Username	Phone	Password	Is Host	Last Updated	About
126	Sophia	Jones	Female	1995-01-30	sophia.jones@example.com	sophie95	+61 123-456-7890	SophieJones95#	1	2024-04-10 03:14:00	Hosting with warmth and hospitality.
117	Mia	Taylor	Female	1988-11-20	mia.taylor@example.com	mia88	+1 345-678-9012	MiaTaylor88#	1	2024-04-10 03:15:00	Providing comfortable stays with personalized attention.
118	Ethan	Parker	Male	1995-12-01	ethan.parker@example.com	ethan95	+1 987-054-3210	EthanParker95#	1	2024-04-10 03:16:00	Hosting with a focus on comfort and hospitality.
119	James	Nelson	Male	1990-07-10	james.nelson@example.com	james90	+66 765-4321-0987	JamesNelson90#	1	2024-04-07 03:17:00	Hosting travelers and sharing local insights.
120	Amelia	Moore	Female	1987-09-15	amelia.moore@example.com	amelia87	+48 876-543-2109	AmeliaMoore87#	1	2024-04-06 03:18:00	Providing a cozy stay experience for guests.
121	Olivia	Williams	Female	1992-11-10	olivia.williams@example.com	olivia92	+61 123-5678	Olivia#92	1	2024-04-10 03:19:00	Welcome guests with a friendly atmosphere.
122	William	Walker	Male	1996-01-15	william.walker@example.com	william96	+44 8765-4321	WilliamWalker96#	1	2024-04-09 03:20:00	Sharing local tips and recommendations with guests.
123	Ava	White	Female	1991-06-10	ava.white@example.com	ava91	+66 987-654-2109	AvaWhite91#	1	2024-04-12 03:21:00	Hospitality enthusiast and travel lover.
124	Noah	Martinez	Male	1991-11-30	noah.martinez@example.com	noah91	+81 234-567-8001	NoahMartinez91#	1	2024-04-02 03:22:00	Hosting with a passion for cultural exchange.
125	Harper	Scott	Female	1990-02-10	harper.scott@example.com	harper90	+66 234-557-9012	HarperScott90#	1	2024-03-28 03:23:00	Offering a comfortable and relaxing stay for guests.
126	Jacob	Martinez	Male	1987-09-05	jacob.martinez@example.com	jacob87	+1 231-567-8901	JacobMartinez87#	1	2024-04-15 03:24:00	Creating memorable stays with personalized experiences.
127	Chloe	Turner	Female	1993-08-20	chloe.turner@example.com	chloe93	+1 567-896-1234	ChloeTurner93#	1	2024-04-19 03:25:00	Enjoys exploring new cultures and cuisines.
128	Oliver	Schmidt	Male	1988-05-15	oliver.schmidt@example.com	oliver88	+49 123-4567890	OliverSchmidt88#	0	2024-04-18 03:26:00	Loves outdoor adventures and hiking.
129	Sofia	Fernandez	Female	1991-11-25	sofia.fernandez@example.com	sofie91	+34 678 901234	SofiaFernandez91#	0	2024-04-17 03:27:00	Enjoys photography and art.
130	Ryan	Kim	Male	1995-04-20	ryan.kim@example.com	ryan95	+62 123-456-7890	RyanKim95#	0	2024-04-16 03:28:00	Passionate about technology and gaming.
131	Isabella	Costa	Female	1990-12-10	isabella.costa@example.com	isabella90	+65 1234-567890	IsabellaCosta90#	0	2024-04-15 03:29:00	Enjoys reading and writing poetry.
132	Ethan	Singh	Male	1987-09-03	ethan.singh@example.com	ethan87	+91 98765-43220	EthanSingh87#	1	2024-04-14 03:30:00	Enthusiastic about fitness and wellness.
133	Mia	Lopez	Female	1988-02-28	mia.lopez@example.com	mia88	+52 123-456-7890	MiaLopez88#	0	2024-04-13 03:31:00	Enjoys gardening and outdoor activities.
134	Alexander	Petrov	Male	1993-07-20	alexander.petrov@example.com	alexande...	+7 987-654-3210	AlexanderPetrov...	0	2024-04-12 03:32:00	Avid traveler and history enthusiast.
135	Amelia	Kim	Female	1989-10-15	amelia.kim@example.com	amelia89	+62 345-678-9012	AmeliaKim89#	0	2024-04-11 03:33:00	Enjoys cooking and trying new recipes.
136	Liam	Johnson	Male	1988-09-20	liam.johnson@example.com	liam88	+27 123-123-4567	LiamJohnson88#	1	2024-04-25 03:34:00	Passionate about wildlife photography.
137	Emma	Moller	Female	1993-04-15	emma.moller@example.com	emma93	+45 12 245-678	EmmaMoller93#	0	2024-04-23 03:35:00	Enjoys outdoor activities and hiking.
138	Hiroshi	Tanaka	Male	1990-08-25	hiroshi.tanaka@example.com	hiroshi90	+81 3-4567-8901	HiroshiTanaka90#	1	2024-04-23 03:36:00	Loves exploring local cuisines and traditions.
139	Freyja	Smith	Female	1987-12-10	freyja.smith@example.com	freyja87	+44 20 987-5432	FreyjaSmith87#	0	2024-04-23 03:37:00	Enjoys painting and visiting art galleries.
140	Oliver	Nelson	Male	1994-06-28	oliver.nelson@example.com	oliver94	+45 23-456-789	OliverNelson94#	0	2024-04-23 03:38:00	Passionate about playing musical instruments.
141	Yuki	Suzuki	Female	1991-03-10	yuki.suzuki@example.com	yuki91	+61 80-1234-5678	YukiSuzuki91#	1	2024-04-23 03:39:00	Enjoys photography and exploring nature.
142	Ethan	Andersen	Male	1989-10-05	ethan.andersen@example.com	ethan89	+45 45-678-901	EthanAndersen89#	1	2024-04-23 03:40:00	Loves outdoor adventures and camping.
143	Mia	Jensen	Female	1992-07-22	mia.jensen@example.com	mia92	+45 34-567-890	MiaJensen92#	1	2024-04-23 03:41:00	Enjoys trying new foods and cooking.
144	Levi	Williams	Male	1985-11-15	levi.williams@example.com	levi85	+61 123-456-7890	LeviWilliams85#	0	2024-04-23 03:42:00	Passionate about technology and aviation.

CREATE TABLE

Retrieves all records from the user table, displaying general user information, including personal details and contact information.

admin

```
-- Table `airbnb`.`admin`  
  
DROP TABLE IF EXISTS `airbnb`.`admin` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`admin` (  
    `id` INT NOT NULL,  
    `user_id` INT NOT NULL,  
    `access_id` INT NOT NULL,  
    PRIMARY KEY (`id`),  
    INDEX `user_id_fk7_idx` (`user_id` ASC) VISIBLE,  
    INDEX `access_id_idx` (`access_id` ASC) VISIBLE,  
    CONSTRAINT `access_id`  
        FOREIGN KEY (`access_id`)  
        REFERENCES `airbnb`.`access_level` (`id`),  
    CONSTRAINT `user_id_fk7`  
        FOREIGN KEY (`user_id`)  
        REFERENCES `airbnb`.`user` (`id`))  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```



The screenshot shows the MySQL Workbench interface with a query editor window and a results grid window. The query editor contains the SQL command: "SELECT * FROM admin;". The results grid displays 30 rows of data from the admin table, with columns labeled id, user_id, and access_id.

	id	user_id	access_id
1	116	3	
2	116	4	
3	116	5	
4	116	20	
5	117	3	
6	117	4	
7	117	5	
8	118	3	
9	118	4	
10	118	11	
11	119	3	
12	119	4	
13	119	5	
14	120	3	
15	120	4	
16	120	5	
17	121	3	
18	121	4	
19	121	5	
20	122	3	
21	122	4	
22	122	5	
23	123	3	
24	123	4	
25	123	5	
26	124	3	
27	124	4	
28	124	5	
29	125	7	

Retrieves all records from the admin table, displaying information about administrative users who manage the platform.

CREATE TABLE

amenity_category

```
-- Table `airbnb`.`amenity_category`  
--  
DROP TABLE IF EXISTS `airbnb`.`amenity_category` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`amenity_category` (  
  `id` INT NOT NULL AUTO_INCREMENT COMMENT ,  
  `category_name` VARCHAR(255) NOT NULL COMMENT ,  
  PRIMARY KEY (`id`),  
  UNIQUE INDEX `category_name_UNIQUE` (`id` ASC) VISIBLE)  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```



The screenshot shows the MySQL Workbench interface with a query editor and a result grid. The query editor contains the following SQL code:

```
28  
29  
30  
31 • SELECT * FROM amenity_category;  
32
```

The result grid displays the data from the amenity_category table:

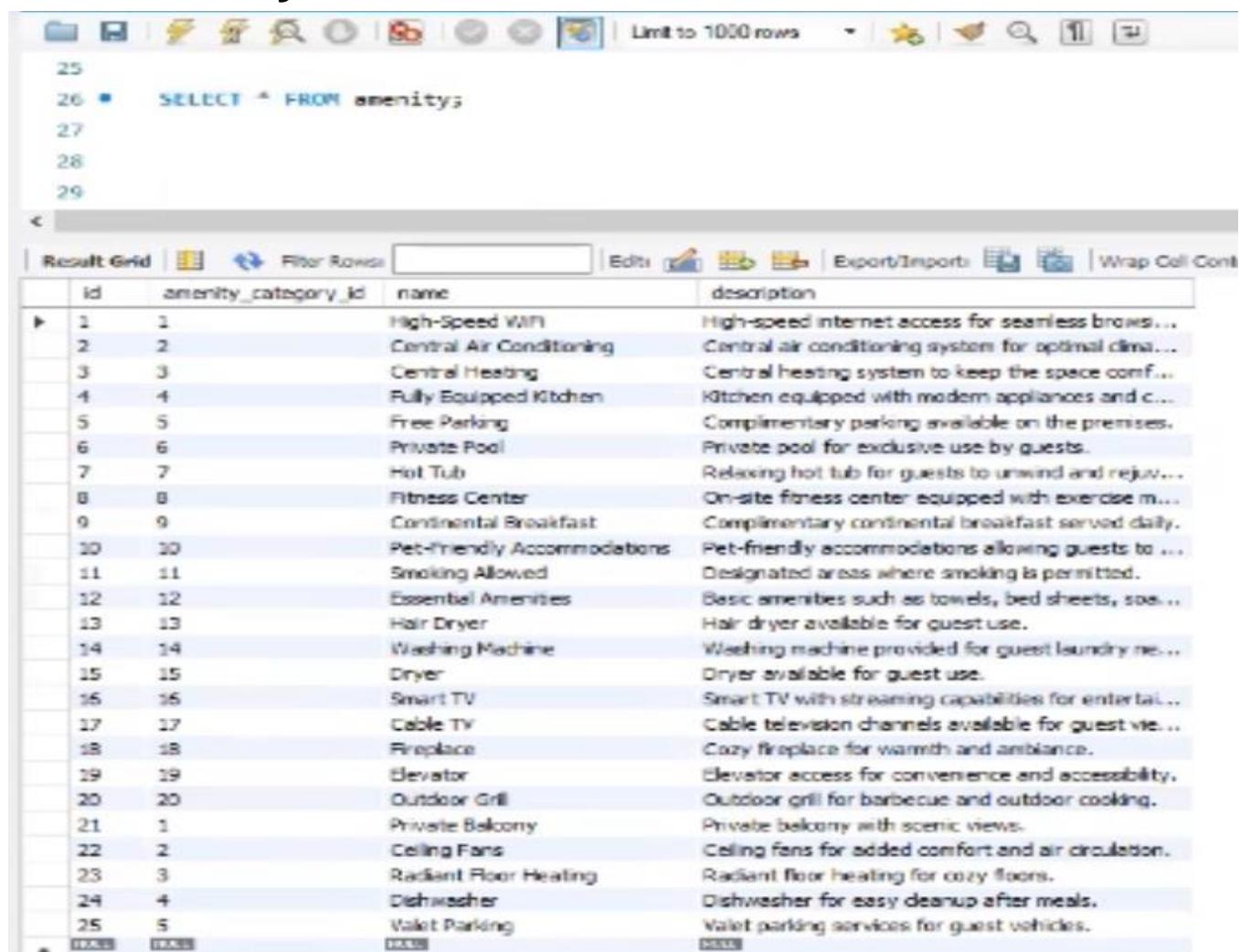
	id	category_name
▶	1	WiFi
	2	Air Conditioning
	3	Heating
	4	Kitchen
	5	Free Parking on Premises
	6	Pool
	7	Hot Tub
	8	Gym
	9	Breakfast
	10	Pet friendly
	11	Smoking Allowed
	12	Essentials (Towels, Bed ...)
	13	Hair Dryer
	14	Washer
	15	Dryer
	16	TV
	17	Cable TV
	18	Fireplace
	19	Elevator
	20	Indoor Fireplace

Retrieves all records from the amenity_category table, showing different categories of amenities.

CREATE TABLE

amenity

```
-- Table `airbnb`.`amenity`  
  
DROP TABLE IF EXISTS `airbnb`.`amenity` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`amenity` (  
  `id` INT NOT NULL AUTO_INCREMENT COMMENT ,  
  `amenity_category_id` INT NOT NULL COMMENT ,  
  `name` VARCHAR(255) NOT NULL COMMENT ,  
  `description` LONGTEXT NULL DEFAULT NULL COMMENT,  
  PRIMARY KEY (`id`),  
  INDEX `detail_category_id` (`amenity_category_id` ASC) INVISIBLE,  
  CONSTRAINT `property_attributes_category_ibfk_1`  
    FOREIGN KEY (`amenity_category_id`)  
    REFERENCES `airbnb`.`amenity_category` (`id`)  
    ON DELETE CASCADE  
    ON UPDATE CASCADE)  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```



The screenshot shows the MySQL Workbench interface with a query editor window titled 'amenity'. The query is:

```
25  
26 • SELECT * FROM amenity;  
27  
28  
29
```

The results grid displays 25 rows of data from the 'amenity' table. The columns are 'id', 'amenity_category_id', 'name', and 'description'. The data includes various amenities like High-Speed WiFi, Central Air Conditioning, and Private Pool.

	id	amenity_category_id	name	description
▶	1	1	High-Speed WiFi	High-speed internet access for seamless brows...
	2	2	Central Air Conditioning	Central air conditioning system for optimal clima...
	3	3	Central Heating	Central heating system to keep the space comf...
	4	4	Fully Equipped Kitchen	Kitchen equipped with modern appliances and c...
	5	5	Free Parking	Complimentary parking available on the premises.
	6	6	Private Pool	Private pool for exclusive use by guests.
	7	7	Hot Tub	Relaxing hot tub for guests to unwind and rejuvenate.
	8	8	Fitness Center	On-site fitness center equipped with exercise m...
	9	9	Continental Breakfast	Complimentary continental breakfast served daily.
	10	10	Pet-friendly Accommodations	Pet-friendly accommodations allowing guests to bring their pets.
	11	11	Smoking Allowed	Designated areas where smoking is permitted.
	12	12	Essential Amenities	Basic amenities such as towels, bed sheets, soaps, etc.
	13	13	Hair Dryer	Hair dryer available for guest use.
	14	14	Washing Machine	Washing machine provided for guest laundry needs.
	15	15	Dryer	Dryer available for guest use.
	16	16	Smart TV	Smart TV with streaming capabilities for entertainment.
	17	17	Cable TV	Cable television channels available for guest viewing.
	18	18	Fireplace	Cozy fireplace for warmth and ambiance.
	19	19	Elevator	Elevator access for convenience and accessibility.
	20	20	Outdoor Grill	Outdoor grill for barbecue and outdoor cooking.
	21	1	Private Balcony	Private balcony with scenic views.
	22	2	Ceiling Fans	Ceiling fans for added comfort and air circulation.
	23	3	Radiant Floor Heating	Radiant floor heating for cozy floors.
	24	4	Dishwasher	Dishwasher for easy cleanup after meals.
	25	5	Valet Parking	Valet parking services for guest vehicles.

CREATE TABLE

Retrieves all records from the amenity table, displaying information about various amenities available in properties.

guest_types

```
-- Table `airbnb`.`guest_types`  
  
DROP TABLE IF EXISTS `airbnb`.`guest_types` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`guest_types` (  
    `id` INT NOT NULL AUTO_INCREMENT COMMENT ,  
    `guest_type_name` VARCHAR(255) NOT NULL COMMENT ,  
    PRIMARY KEY (`id`))  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```

CREATE TABLE



A screenshot of MySQL Workbench showing the results of a SELECT query on the guest_types table. The interface includes a toolbar at the top with various icons, a code editor with the query, and a result grid below it.

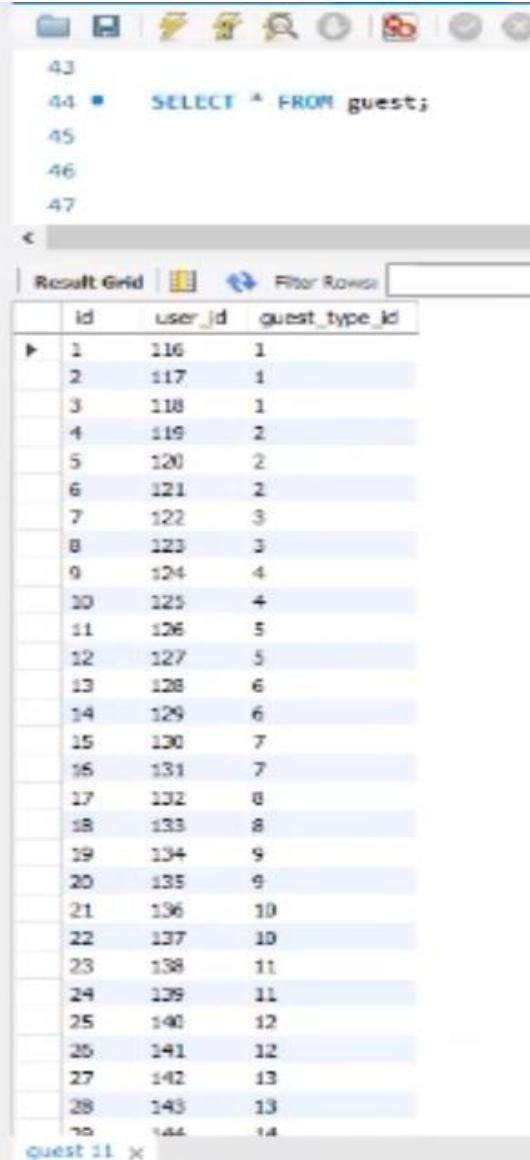
	id	guest_type_name
49	1	Solo traveler
50	2	Couple
51	3	Family with young children
52	4	Family with teenagers
53	5	Group of friends
	6	Business traveler
	7	Backpacker
	8	Adventurer
	9	Honeymooner
	10	Retiree
	11	Academic visitor
	12	Medical tourist
	13	Sports enthusiast
	14	Art and culture aficionado
	15	Food and wine lover
	16	Eco-conscious traveler
	17	Luxury seeker
	18	Budget-conscious traveler
	19	Pet owner
	20	Digital nomad

Retrieves all records from the guest_types table, displaying different types of guests, such as families or business travelers.

guest

```
-- Table `airbnb`.`guest`  
--  
DROP TABLE IF EXISTS `airbnb`.`guest` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`guest` (  
  `id` INT NOT NULL,  
  `user_id` INT NOT NULL,  
  `guest_type_id` INT NOT NULL,  
  PRIMARY KEY (`id`),  
  INDEX `user_id_fk6_idx` (`user_id` ASC) VISIBLE,  
  INDEX `guest_type_fk_idx` (`guest_type_id` ASC) VISIBLE,  
  CONSTRAINT `guest_type_fk`  
    FOREIGN KEY (`guest_type_id`)  
    REFERENCES `airbnb`.`guest_types` (`id`),  
  CONSTRAINT `user_id_fk6`  
    FOREIGN KEY (`user_id`)  
    REFERENCES `airbnb`.`user` (`id`))  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```

CREATE TABLE



The screenshot shows the MySQL Workbench interface with a results grid titled 'Result Grid'. The grid displays data from the 'guest' table, with columns labeled 'Id', 'user_id', and 'guest_type_id'. The data consists of 44 rows, each containing a unique ID, a user ID ranging from 116 to 144, and a guest type ID ranging from 1 to 14. The table has a primary key on the 'Id' column.

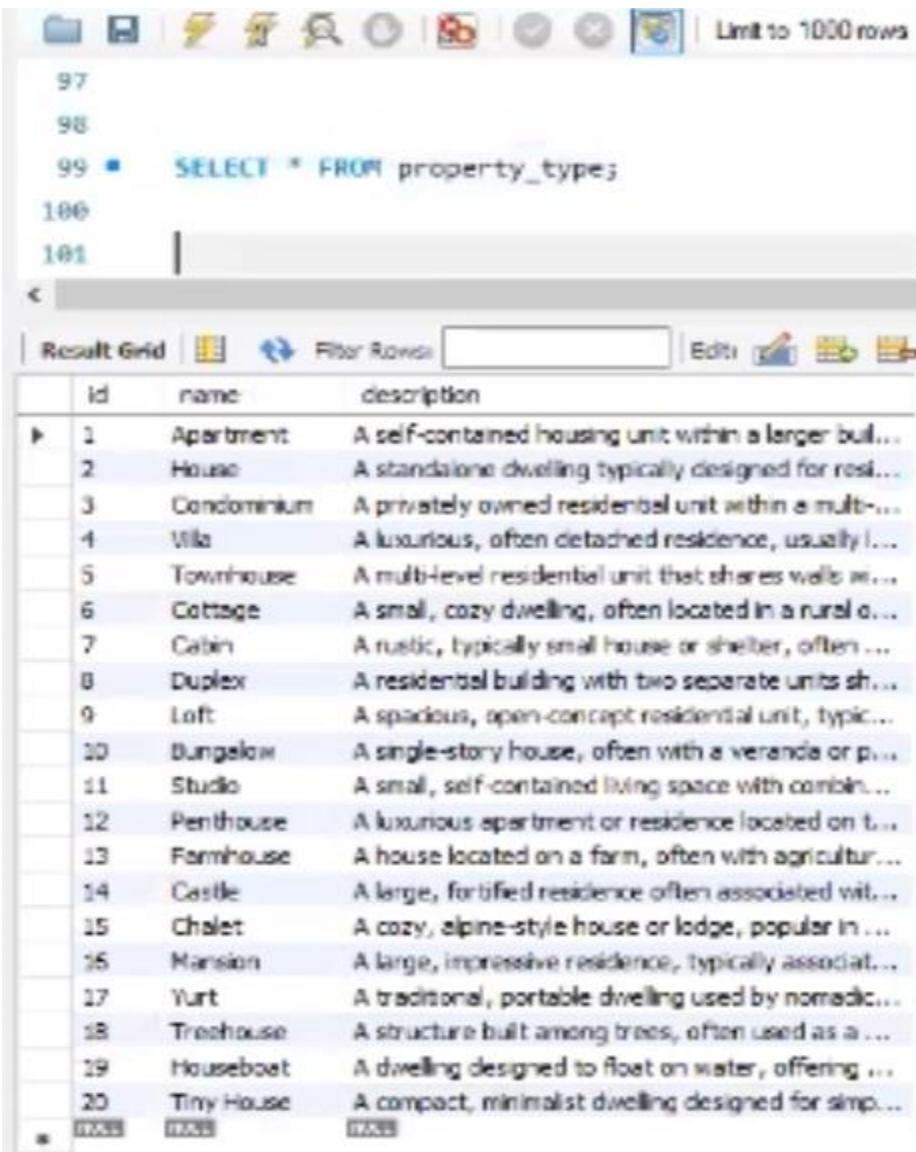
	Id	user_id	guest_type_id
1	116	1	
2	117	1	
3	118	1	
4	119	2	
5	120	2	
6	121	2	
7	122	3	
8	123	3	
9	124	4	
10	125	4	
11	126	5	
12	127	5	
13	128	6	
14	129	6	
15	130	7	
16	131	7	
17	132	8	
18	133	8	
19	134	9	
20	135	9	
21	136	10	
22	137	10	
23	138	11	
24	139	11	
25	140	12	
26	141	12	
27	142	13	
28	143	13	
29	144	14	

Retrieves all records from the guest table, displaying information about guests who use the platform to book properties.

property_type

```
-- Table `airbnb`.`property_type`  
  
DROP TABLE IF EXISTS `airbnb`.`property_type` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`property_type` (  
  `id` INT NOT NULL AUTO_INCREMENT COMMENT ,  
  `name` VARCHAR(255) NOT NULL COMMENT ,  
  `description` LONGTEXT NULL DEFAULT NULL,  
  PRIMARY KEY (`id`),  
  UNIQUE INDEX `property_type_name_UNIQUE` (`id` ASC) VISIBLE)  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```

CREATE TABLE



The screenshot shows a MySQL Workbench interface with a query editor and a result grid. The query editor contains the following SQL code:

```
97  
98  
99 •  SELECT * FROM property_type;  
100  
101
```

The result grid displays the following data:

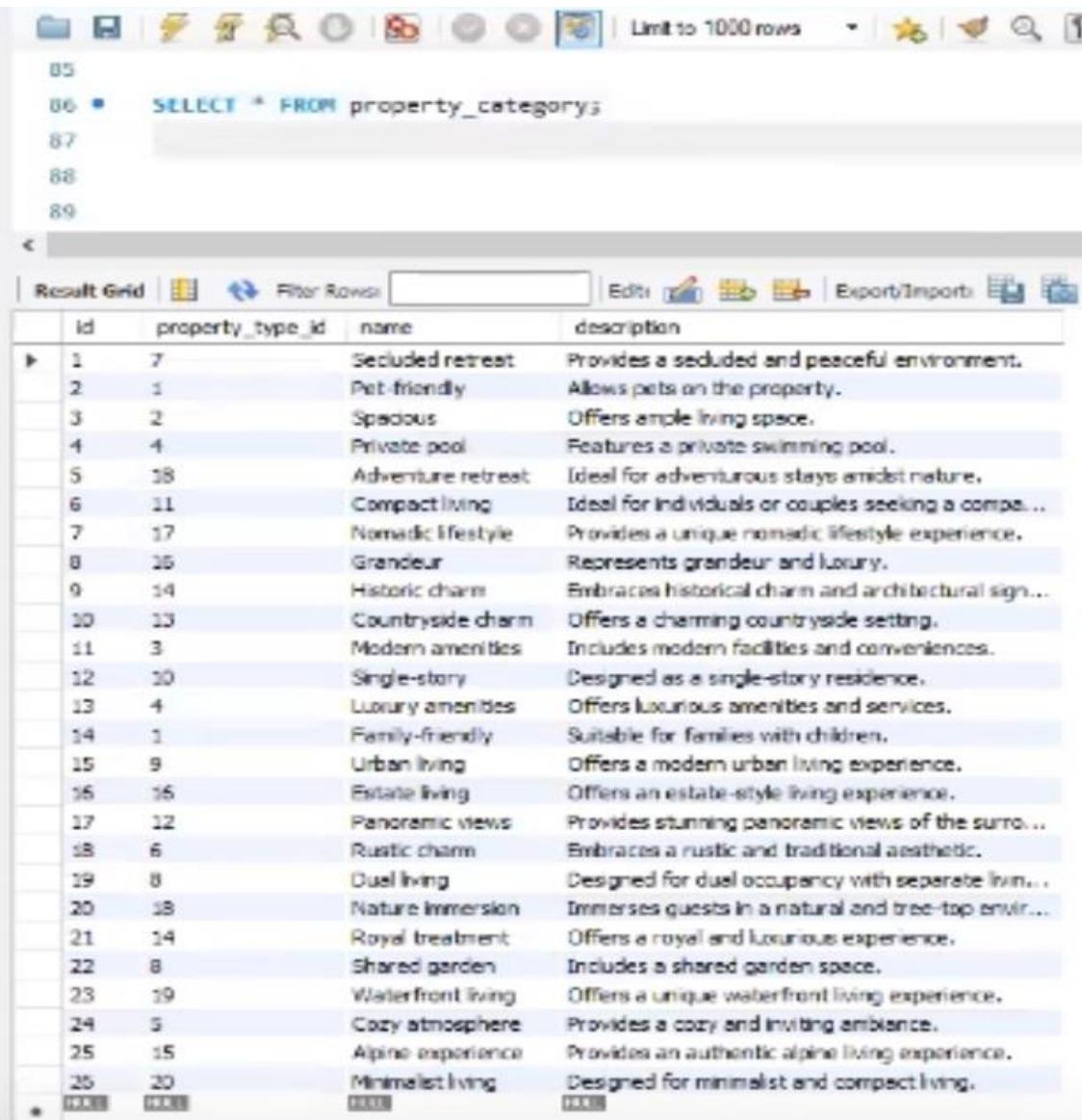
	Id	name	description
▶	1	Apartment	A self-contained housing unit within a larger building.
	2	House	A standalone dwelling typically designed for residential use.
	3	Condominium	A privately owned residential unit within a multi-unit building.
	4	Villa	A luxurious, often detached residence, usually larger than a house.
	5	Townhouse	A multi-level residential unit that shares walls with other units.
	6	Cottage	A small, cozy dwelling, often located in a rural or semi-rural area.
	7	Cabin	A rustic, typically small house or shelter, often made of wood.
	8	Duplex	A residential building with two separate units sharing a common wall.
	9	Loft	A spacious, open-concept residential unit, typically in a converted industrial space.
	10	Bungalow	A single-story house, often with a veranda or porch.
	11	Studio	A small, self-contained living space with combined kitchen and living areas.
	12	Penthouse	A luxurious apartment or residence located on the top floor of a building.
	13	Farmhouse	A house located on a farm, often with agricultural facilities.
	14	Castle	A large, fortified residence often associated with history.
	15	Chalet	A cozy, alpine-style house or lodge, popular in mountainous regions.
	16	Mansion	A large, impressive residence, typically associated with wealth.
	17	Yurt	A traditional, portable dwelling used by nomadic tribes.
	18	Treeshouse	A structure built among trees, often used as a hideaway or observation point.
	19	Houseboat	A dwelling designed to float on water, offering a unique living experience.
	20	Tiny House	A compact, minimalist dwelling designed for simplicity and energy efficiency.
...
*	max	max	max

Retrieves all records from the property_type table, displaying different types of properties, such as apartments, houses, villas, etc.

property_category

```
-- Table `airbnb`.`property_category`  
  
DROP TABLE IF EXISTS `airbnb`.`property_category` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`property_category` (  
    `id` INT NOT NULL AUTO_INCREMENT COMMENT ,  
    `property_type_id` INT NOT NULL,  
    `name` VARCHAR(255) NOT NULL COMMENT ,  
    `description` LONGTEXT NULL DEFAULT NULL,  
    PRIMARY KEY (`id`),  
    UNIQUE INDEX `category_name_UNIQUE` (`id` ASC) INVISIBLE,  
    INDEX `property_type_fk2_idx` (`property_type_id` ASC) VISIBLE,  
    CONSTRAINT `property_type_fk2`  
        FOREIGN KEY (`property_type_id`)  
        REFERENCES `airbnb`.`property_type` (`id`))  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```

CREATE TABLE



The screenshot shows the MySQL Workbench interface with a query editor and a result grid. The query editor contains the SQL command: `SELECT * FROM property_category;`. The result grid displays 25 rows of data from the property_category table, each with an id, property_type_id, name, and description.

	id	property_type_id	name	description
▶	1	7	Secluded retreat	Provides a secluded and peaceful environment.
	2	1	Pet-friendly	Allows pets on the property.
	3	2	Spacious	Offers ample living space.
	4	4	Private pool	Features a private swimming pool.
	5	18	Adventure retreat	Ideal for adventurous stays amidst nature.
	6	11	Compact living	Ideal for individuals or couples seeking a compact...
	7	17	Nomadic lifestyle	Provides a unique nomadic lifestyle experience.
	8	26	Grandeur	Represents grandeur and luxury.
	9	14	Historic charm	Embraces historical charm and architectural sign...
	10	13	Countryside charm	Offers a charming countryside setting.
	11	3	Modern amenities	Includes modern facilities and conveniences.
	12	10	Single-story	Designed as a single-story residence.
	13	4	Luxury amenities	Offers luxurious amenities and services.
	14	1	Family-friendly	Suitable for families with children.
	15	9	Urban living	Offers a modern urban living experience.
	16	16	Estate living	Offers an estate-style living experience.
	17	12	Panoramic views	Provides stunning panoramic views of the surround...
	18	6	Rustic charm	Embraces a rustic and traditional aesthetic.
	19	8	Dual living	Designed for dual occupancy with separate living...
	20	18	Nature immersion	Immerses guests in a natural and tree-top environ...
	21	14	Royal treatment	Offers a royal and luxurious experience.
	22	8	Shared garden	Includes a shared garden space.
	23	19	Waterfront living	Offers a unique waterfront living experience.
	24	5	Cozy atmosphere	Provides a cozy and inviting ambience.
	25	15	Alpine experience	Provides an authentic alpine living experience.
	26	20	Minimalist living	Designed for minimalist and compact living.

Retrieves all records from the property_category table, displaying categories of properties, such as apartments, houses, etc.

```

-- -----
-- Table `airbnb`.`host`

-- -----
DROP TABLE IF EXISTS `airbnb`.`host` ;

CREATE TABLE IF NOT EXISTS `airbnb`.`host` (
`host_id` INT NOT NULL AUTO_INCREMENT COMMENT ,
`user_id` INT NOT NULL COMMENT ,
`host_since` DATE NOT NULL COMMENT ,
`superhost_status` TINYINT(1) NOT NULL COMMENT ,
PRIMARY KEY (`host_id`),
UNIQUE INDEX `user_account_id_UNIQUE` (`user_id` ASC) VISIBLE,
INDEX `user_account_id` (`user_id` ASC) VISIBLE,
CONSTRAINT `host_ibfk_1`
FOREIGN KEY (`user_id`)
REFERENCES `airbnb`.`user` (`id`)
ON DELETE CASCADE
ON UPDATE CASCADE)
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;

```

CREATE TABLE

host

The screenshot shows a MySQL Workbench interface with a results grid. The grid has four columns: host_id, user_id, host_since, and superhost_status. The data consists of 25 rows, each representing a host entry. The host_ids range from 1 to 25. The user_ids are mostly unique, with some duplicates. The host_since dates are all in the year 2024. The superhost_status column contains mostly 0s, with several 1s interspersed.

	host_id	user_id	host_since	superhost_status
1	116	2024-01-01	1	
2	117	2024-02-15	0	
3	118	2024-03-20	1	
4	119	2024-04-05	0	
5	120	2024-05-10	0	
6	121	2024-06-20	0	
7	122	2024-07-30	1	
8	123	2024-08-15	1	
9	124	2024-09-25	0	
10	125	2024-10-10	0	
11	126	2024-11-20	1	
12	127	2024-12-25	0	
13	132	2024-01-05	1	
14	136	2024-02-20	1	
15	138	2024-03-25	0	
16	141	2024-04-10	1	
17	142	2024-05-15	0	
18	143	2024-06-25	0	
19	145	2024-07-10	1	
20	146	2024-08-15	0	
21	148	2024-09-20	0	
22	149	2024-10-05	1	
23	151	2024-12-15	0	
24	153	2024-01-20	1	
25	154	2024-02-25	0	
25	156	2024-04-01	0	

Retrieves all records from the host table, displaying information about hosts who list properties on the platform.

property

```
-- Table 'airbnb'.property

DROP TABLE IF EXISTS `airbnb`.`property` ;

CREATE TABLE IF NOT EXISTS `airbnb`.`property` [
  `id` INT NOT NULL AUTO_INCREMENT COMMENT ,
  `host_id` INT NOT NULL COMMENT ,
  `property_type_id` INT NOT NULL COMMENT ,
  `property_category_id` INT NOT NULL,
  `address_id` INT NOT NULL COMMENT ,
  `name` VARCHAR(255) NOT NULL COMMENT ,
  `description` LONGTEXT NOT NULL COMMENT ,
  `max_guest_count` INT NOT NULL COMMENT ,
  `num_beds` INT NOT NULL COMMENT ,
  `baths` INT NOT NULL COMMENT ,
  `rooms` INT NOT NULL COMMENT ,
  `units_available` INT NOT NULL,
  `total_units` INT NOT NULL,
  `visible` TINYINT NOT NULL,
  `smoking` TINYINT NOT NULL,
  `longitude` VARCHAR(50) NOT NULL,
  `latitude` VARCHAR(50) NOT NULL,
  `rate_per_day` DOUBLE NOT NULL,
  PRIMARY KEY (`id`),
  INDEX `host_id` (`host_id` ASC) VISIBLE,
  INDEX `property_type_id` (`property_type_id` ASC) VISIBLE,
  INDEX `property_ibfk_1_idx` (`address_id` ASC) VISIBLE,
  INDEX `property_cat_fk_idx` (`property_category_id` ASC) VISIBLE,
  CONSTRAINT `property_cat_fk`
    FOREIGN KEY (`property_category_id`)
    REFERENCES `airbnb`.`property_category` (`id`),
  CONSTRAINT `property_ibfk_1`
    FOREIGN KEY (`address_id`)
    REFERENCES `airbnb`.`address` (`id`)
    ON DELETE RESTRICT
    ON UPDATE CASCADE,
  CONSTRAINT `property_ibfk_2`
    FOREIGN KEY (`host_id`)
    REFERENCES `airbnb`.`host` (`host_id`)
    ON DELETE CASCADE
    ON UPDATE CASCADE,
  CONSTRAINT `property_ibfk_4`
    FOREIGN KEY (`property_type_id`)
    REFERENCES `airbnb`.`property_type` (`id`)
    ON UPDATE CASCADE]
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;
```

The screenshot shows a MySQL Workbench interface with a query editor containing the SQL command: "SELECT * FROM property;". Below the editor is a result grid displaying 79 rows of data from the 'property' table. The columns shown in the grid are: id, host_id, property_type_id, property_category_id, address_id, name, description, max_guest_count, num_beds, baths, rooms, units_available, total_units, visible, smoking, longitude, latitude, and rate_per_day. Each row represents a different property listing with its unique identifier, location details, type, category, and various amenities.

1	12	7	1	30	Lakeside Retreat	This is a cozy lakeside retreat perfect for relax...	4	2	1	2	1	2	1	0	-70.1632	39.9332	120	
2	4	1	2	31	Mountain View Cabin	A charming cabin nestled in the mountains with ...	6	3	2	3	2	3	1	1	-118.2457	34.0522	200	
3	13	2	3	32	Urban Loft	Modern loft space in the heart of the city, ideal ...	2	1	1	1	1	1	0	44.389	33.749	100		
4	1	4	4	33	Seaside Villa	Luxurious villa by the sea offering stunning oce...	8	4	3	4	2	3	1	1	-118.2457	34.0522	300	
5	5	18	5	34	Riverview Retreat	Tranquil retreat along the riverbank, perfect for ...	6	3	2	3	2	3	1	0	-5.7038	40.4168	180	
6	11	11	6	35	Forest Cabin Escape	Cozy cabin nestled in the forest, ideal for a pri...	7	3	2	4	2	3	1	0	-95.3699	39.7604	180	
7	3	17	7	36	City View Condo	Modern condo with panoramic city views, perfect...	9	4	3	5	3	4	1	1	-118.2457	34.0522	220	
8	10	16	8	37	Coastal Bungalow	Quaint bungalow by the coast offering a relaxin...	9	2	1	3	1	2	0	0	12.4904	41.8028	120	
9	2	14	9	38	Downtown Loft	Chic loft located in the bustling downtown area...	8	3	2	4	2	3	1	1	4.375	51.1074	200	
10	9	13	10	39	Beachfront Villa	Luxurious villa right by the beach, offering direc...	10	4	3	5	3	4	1	0	-5.7038	40.4168	220	
11	14	3	11	40	Country Cottage	Charming cottage nestled in the countryside, per...	6	2	1	3	1	2	1	0	-74.0099	40.7128	180	
12	15	19	12	41	Mountain Chalet	Cozy chalet nestled in the mountains, offering pri...	7	3	2	4	2	3	1	1	126.970	37.9565	180	
13	17	13	13	42	Woodsy Cabin	Serenity cabin located in the woods, ideal for natur...	8	3	2	4	2	3	0	1	2.3322	48.8596	200	
14	3	1	14	43	City Center Apartment	Modern apartment in the heart of the city, perfect...	4	1	1	1	1	1	1	0	-74.0099	40.7128	120	
15	0	9	15	44	Lakeside Cabin	Charming cabin with views of the lake, great for a...	9	2	1	3	1	2	1	1	-129.0017	35.6893	180	
16	15	15	16	45	Riverfront Retreat	Tranquil retreat by the riverbank, perfect for rela...	6	2	1	3	1	2	1	0	-45.3648	39.7604	180	
17	18	12	17	46	Rustic Farmhouse	Traditional farmhouse in a peaceful rural setting...	7	3	2	4	2	3	1	1	-95.3699	39.7604	180	
18	20	6	18	47	Beachside Bungalow	Relaxing bungalow by the beach with stunning ...	5	2	1	3	1	2	0	0	12.4904	41.8028	180	
19	4	8	19	48	Urban Oasis	Modern oasis in the city offering comfort and co...	6	2	1	3	1	2	1	1	-4.3275	51.5074	180	
20	5	18	20	49	Riverview Cottage	Charming cottage by the river, perfect for a pe...	7	3	2	3	2	3	1	1	-5.7038	40.4168	180	
21	17	14	21	50	Downtown Penthouse	Luxurious penthouse in the bustling downtown ...	4	2	1	2	1	1	1	0	2.3322	48.8596	200	
22	25	8	22	51	City Skyline View Apartment	Stlish apartment with panoramic views of the ci...	5	2	1	2	1	1	1	0	-129.0017	35.6893	200	
23	19	19	23	52	Rural Retreat	Tranquil retreat in a serene rural setting, perfect...	6	2	1	3	1	2	1	1	9.5018	56.2679	180	
24	0	5	24	53	Hillside Hideaway	Cozy hideaway nestled in the hills, offering a pacific...	4	1	1	1	1	1	1	0	-5.7038	40.4168	180	
25	8	15	25	54	Coastal Cottage	Quaint cottage by the coast, offering a peaceful...	5	2	1	2	1	1	1	0	139.8017	35.6893	180	
26	18	23	26	55	Oceanfront Retreat	Serene retreat right by the ocean, perfect for a...	6	3	2	3	2	3	1	1	-95.3699	39.7604	180	
27	20	7	26	56	Lakeside Lodge	Cozy lodge with views of the lake, great for a...	5	2	1	2	1	1	0	0	12.4904	41.8028	120	
28	1	1	3	57	Urban View Studio	Modern studio with urban views, perfect for a...	2	1	1	1	1	1	1	0	-74.0099	40.7128	90	
29	+	18	7	58	Max Stay Home	Panorama of the new property	6	1	1	1	1	1	1	0	12.4904	41.8028	180	

Retrieves all records from the property table, displaying information about the properties listed on the platform, including their location, description, and features.

reservations

```
-- Table `airbnb`.`reservations`  
DROP TABLE IF EXISTS `airbnb`.`reservations` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`reservations` (  
    `reservation_id` INT NOT NULL AUTO_INCREMENT COMMENT ,  
    `property_id` INT NOT NULL COMMENT ,  
    `user_id` INT NOT NULL COMMENT ,  
    `num_of_days` INT NOT NULL COMMENT ,  
    `rate_per_day` INT NOT NULL COMMENT ,  
    `duration` INT NOT NULL COMMENT ,  
    `cancelled` TINYINT NOT NULL COMMENT ,  
    `active` TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP COMMENT ,  
    `reservation_date` DATETIME NOT NULL ,  
    `checkin_date` DATETIME NOT NULL ,  
    `checkout_date` DATETIME NOT NULL ,  
    `created_on` DATETIME NOT NULL ,  
    PRIMARY KEY (`reservation_id`),  
    INDEX `property_id` (`property_id` ASC) VISIBLE,  
    INDEX `user_id` (`user_id` ASC) VISIBLE,  
    CONSTRAINT `booking_ibfk_1`  
        FOREIGN KEY (`property_id`)  
        REFERENCES `airbnb`.`property` (`id`)  
        ON UPDATE CASCADE,  
    CONSTRAINT `booking_ibfk_2`  
        FOREIGN KEY (`user_id`)  
        REFERENCES `airbnb`.`user` (`id`)  
        ON UPDATE CASCADE)  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```

The screenshot shows a MySQL Workbench interface with a result grid titled 'Result Grid'. The grid displays 100 rows of data from the 'reservations' table. The columns are: reservation_id, property_id, user_id, num_of_days, rate_per_day, duration, cancelled, active, reservation_date, checkin_date, checkout_date, and created_on. The data includes various guest bookings with their respective properties, users, and booking details.

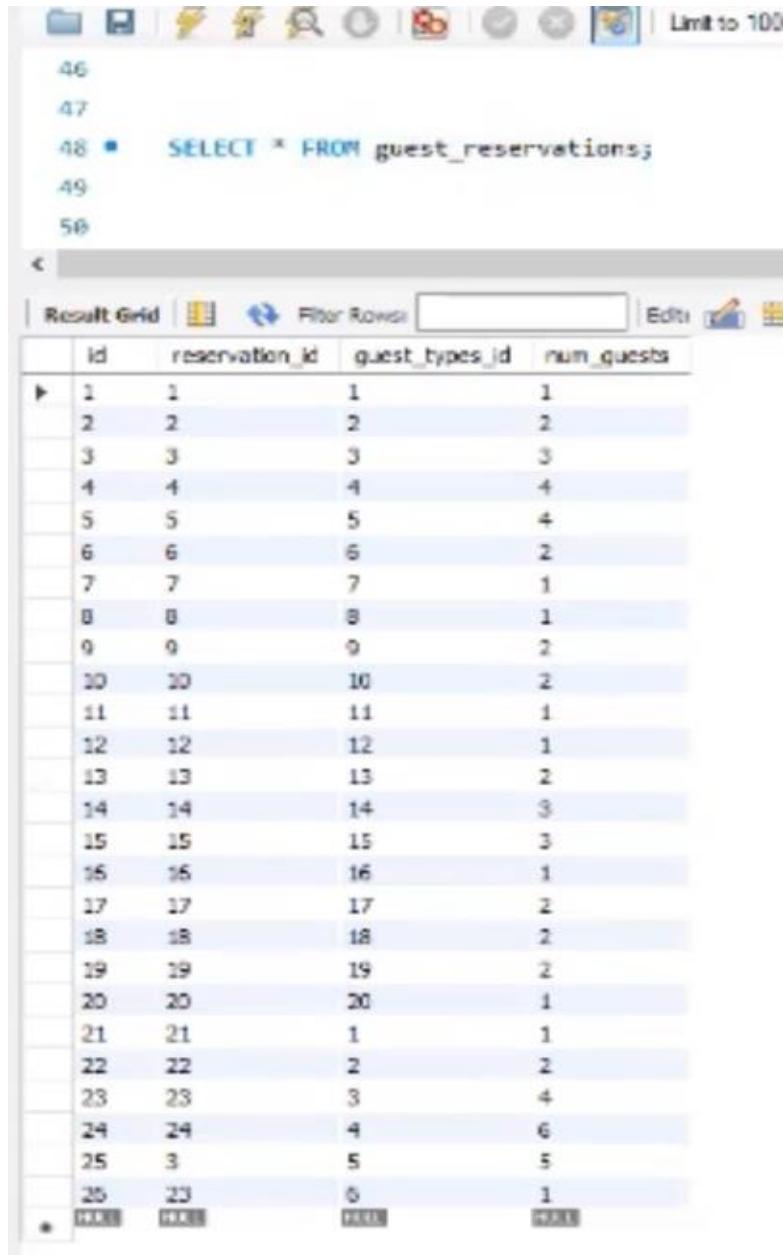
reservation_id	property_id	user_id	num_of_days	rate_per_day	duration	cancelled	active	reservation_date	checkin_date	checkout_date	created_on
1	1	145	4	300	4	0	2024-04-01 09:30:18	2024-04-05 14:00:00	2024-04-09 14:00:00	2024-03-06 12:40:35	2024-04-10 00:00:00
2	2	145	3	180	3	0	2024-04-05 10:20:30	2024-04-08 13:00:00	2024-04-11 13:50:10	2024-03-10 14:50:10	2024-04-12 00:00:00
3	3	139	5	220	5	0	2024-04-10 08:13:45	2024-04-15 11:00:00	2024-04-20 11:00:00	2024-03-15 10:30:20	2024-04-21 00:00:00
4	4	135	6	190	6	0	2024-04-15 11:30:00	2024-04-21 15:00:00	2024-04-27 15:00:00	2024-03-20 16:10:00	2024-04-28 00:00:00
5	5	156	7	250	7	0	2024-04-20 14:00:00	2024-04-27 18:00:00	2024-05-04 18:00:00	2024-03-25 12:40:00	2024-05-05 00:00:00
6	6	120	4	160	4	0	2024-04-03 09:30:18	2024-04-07 14:00:00	2024-04-11 14:00:00	2024-03-06 12:40:35	2024-04-12 00:00:00
7	7	120	3	200	3	0	2024-04-18 12:55:22	2024-04-22 10:30:00	2024-04-25 10:30:00	2024-03-23 15:20:37	2024-04-26 00:00:00
8	8	120	5	180	5	0	2024-04-14 15:40:29	2024-04-20 12:00:00	2024-04-25 12:00:00	2024-03-20 09:55:45	2024-04-26 00:00:00
9	9	121	2	120	2	0	2024-04-05 08:10:14	2024-04-07 15:00:00	2024-04-09 15:00:00	2024-03-10 17:30:21	2024-04-10 00:00:00
10	10	116	6	120	6	0	2024-04-22 10:23:35	2024-04-28 10:00:00	2024-05-04 10:00:00	2024-03-28 11:40:09	2024-05-05 00:00:00
11	11	119	3	180	3	0	2024-04-07 09:50:41	2024-04-10 11:30:00	2024-04-13 11:30:00	2024-03-12 14:20:38	2024-04-14 00:00:00
12	11	119	5	180	5	0	2024-04-10 15:35:25	2024-04-15 09:00:00	2024-04-20 09:00:00	2024-03-15 12:10:47	2024-04-21 00:00:00
13	12	121	3	220	3	0	2024-04-12 17:20:38	2024-04-15 13:00:00	2024-04-18 13:00:00	2024-03-17 10:50:15	2024-04-19 00:00:00
14	13	131	5	200	5	0	2024-04-16 13:35:12	2024-04-21 08:00:00	2024-04-26 08:00:00	2024-03-26 16:15:27	2024-04-27 00:00:00
15	14	139	4	160	4	0	2024-04-01 11:20:14	2024-04-05 09:30:00	2024-04-09 09:30:00	2024-03-06 16:50:43	2024-04-10 00:00:00
16	15	127	7	140	7	0	2024-04-19 14:45:28	2024-04-26 12:00:00	2024-05-03 12:00:00	2024-03-24 08:30:57	2024-05-04 00:00:00
17	16	118	3	100	3	0	2024-04-08 10:50:49	2024-04-08 14:30:00	2024-04-11 14:30:00	2024-03-09 10:40:15	2024-04-12 00:00:00
18	17	123	6	130	6	0	2024-04-13 10:40:35	2024-04-17 10:00:00	2024-04-22 10:00:00	2024-03-18 11:25:44	2024-04-23 00:00:00
19	18	125	2	110	2	0	2024-04-22 12:13:14	2024-04-24 11:30:00	2024-04-26 11:30:00	2024-03-28 13:20:22	2024-04-27 00:00:00
20	19	133	4	140	4	0	2024-04-07 14:45:28	2024-04-11 12:00:00	2024-04-15 12:00:00	2024-03-12 08:30:37	2024-04-16 00:00:00
21	19	151	3	160	3	0	2024-04-16 09:55:49	2024-04-19 14:30:00	2024-04-22 14:30:00	2024-03-21 11:40:15	2024-04-23 00:00:00
22	20	135	6	180	6	0	2024-04-21 11:40:35	2024-04-27 11:00:00	2024-05-03 11:00:00	2024-03-26 14:20:44	2024-05-09 00:00:00
23	20	155	4	150	4	0	2024-04-05 16:10:20	2024-04-09 12:30:00	2024-04-13 12:30:00	2024-03-10 18:45:37	2024-04-14 00:00:00
24	21	130	7	200	7	0	2024-04-10 17:20:38	2024-04-17 09:00:00	2024-04-24 09:00:00	2024-03-15 10:50:15	2024-04-25 00:00:00

Retrieves all records from the reservations table, displaying details about reservations made by guests, including dates, duration, and status.

CREATE TABLE

guest_reservations

```
-- Table `airbnb`.`guest_reservations`  
-----  
DROP TABLE IF EXISTS `airbnb`.`guest_reservations` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`guest_reservations` (  
  `id` INT NOT NULL AUTO_INCREMENT COMMENT ,  
  `reservation_id` INT NOT NULL COMMENT ,  
  `guest_types_id` INT NOT NULL COMMENT ,  
  `num_guests` INT NOT NULL COMMENT ,  
  PRIMARY KEY (`id`),  
  INDEX `booking_id` (`reservation_id` ASC) VISIBLE,  
  INDEX `guest_type_id` (`guest_types_id` ASC) VISIBLE,  
  CONSTRAINT `booking_guest_ibfk_1`  
    FOREIGN KEY (`reservation_id`)  
    REFERENCES `airbnb`.`reservations` (`reservation_id`)  
    ON DELETE CASCADE  
    ON UPDATE CASCADE,  
  CONSTRAINT `booking_guest_ibfk_2`  
    FOREIGN KEY (`guest_types_id`)  
    REFERENCES `airbnb`.`guest_types` (`id`)  
    ON DELETE CASCADE  
    ON UPDATE CASCADE)  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```



The screenshot shows the MySQL Workbench interface with a query editor window. The query is:

```
SELECT * FROM guest_reservations;
```

The results grid displays 26 rows of data from the guest_reservations table. The columns are:

	id	reservation_id	guest_types_id	num_guests
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	4	4
6	6	6	2	2
7	7	7	1	1
8	8	8	1	1
9	9	9	2	2
10	10	10	2	2
11	11	11	1	1
12	12	12	1	1
13	13	13	2	2
14	14	14	3	3
15	15	15	3	3
16	16	16	1	1
17	17	17	2	2
18	18	18	2	2
19	19	19	2	2
20	20	20	1	1
21	21	1	1	1
22	22	2	2	2
23	23	3	4	4
24	24	4	6	6
25	25	5	5	5
26	26	6	1	1

Retrieves all records from the guest_reservations table, displaying details about reservations made by guests.

CREATE TABLE

language

```
-- Table `airbnb`.`language`
-----
DROP TABLE IF EXISTS `airbnb`.`language` ;

CREATE TABLE IF NOT EXISTS `airbnb`.`language` (
  `id` INT NOT NULL AUTO_INCREMENT COMMENT ,
  `language_name` VARCHAR(255) NOT NULL COMMENT ,
  PRIMARY KEY (`id`),
  UNIQUE INDEX `language_name_UNIQUE` (`id` ASC) VISIBLE)
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;
```

The screenshot shows the MySQL Workbench interface with a query editor and a result grid. The query is:

```
SELECT * FROM languages;
```

The result grid displays 20 rows of data:

	id	language_name
1	1	English
2	2	Spanish
3	3	French
4	4	German
5	5	Chinese
6	6	Japanese
7	7	Russian
8	8	Portuguese
9	9	Arabic
10	10	Hindi
11	11	Bengali
12	12	Punjabi
13	13	Urdu
14	14	Italian
15	15	Dutch
16	16	Korean
17	17	Turkish
18	18	Polish
19	19	Vietnamese
20	20	Zulu

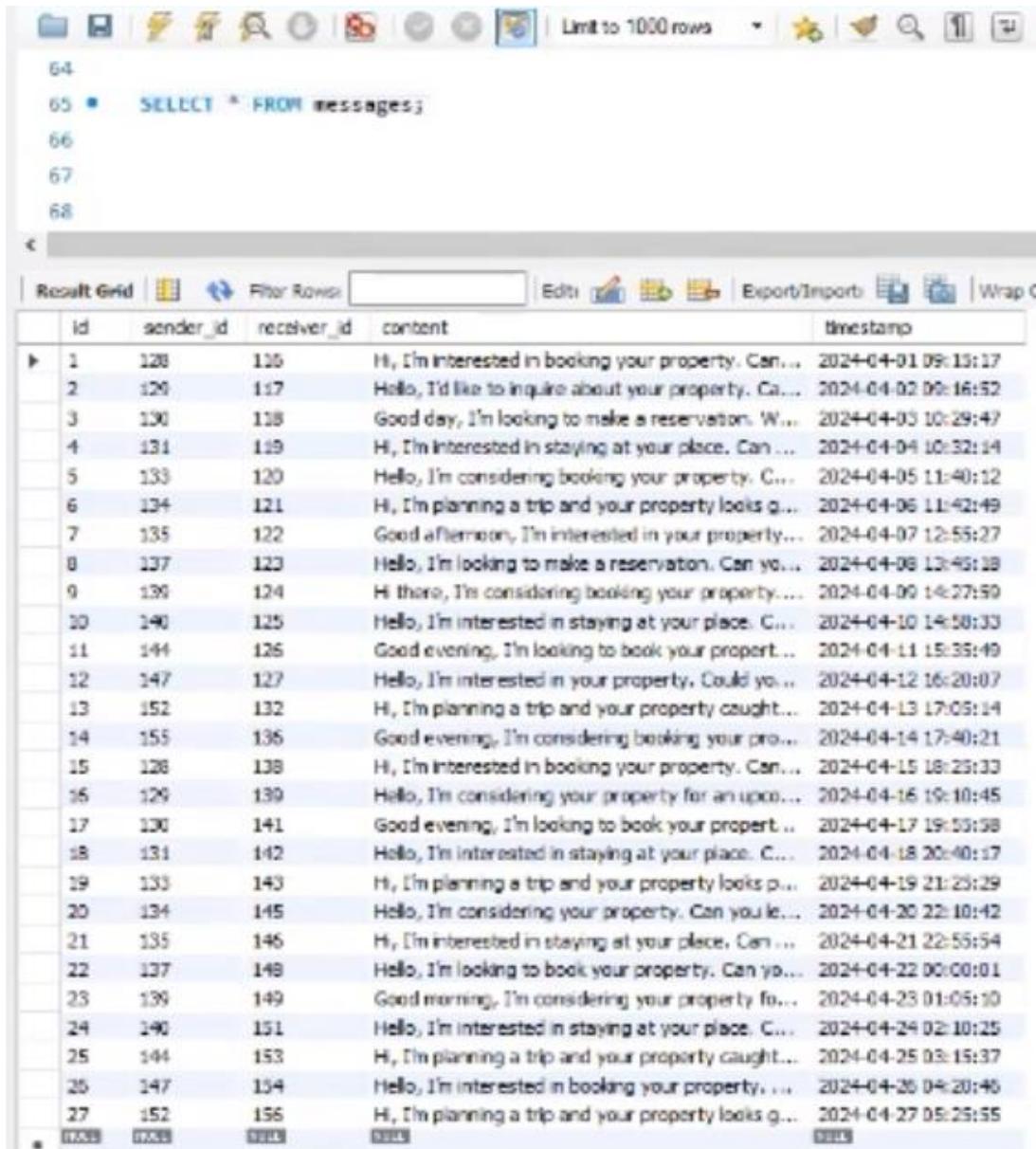
CREATE TABLE

Retrieves all records from the language table, displaying information about languages spoken by users or available on the platform.

messages

```
-- Table `airbnb`.`messages`  
--  
DROP TABLE IF EXISTS `airbnb`.`messages` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`messages` (  
  `id` INT NOT NULL AUTO_INCREMENT COMMENT ,  
  `sender_id` INT NOT NULL COMMENT ,  
  `receiver_id` INT NOT NULL COMMENT ,  
  `content` LONGTEXT NOT NULL COMMENT ,  
  `timestamp` TIMESTAMP NOT NULL COMMENT ,  
  PRIMARY KEY (`id`),  
  INDEX `sender_id` (`sender_id` ASC) VISIBLE,  
  INDEX `messages_ibfk_2_idx` (`receiver_id` ASC) VISIBLE,  
  CONSTRAINT `messages_ibfk_1`  
    FOREIGN KEY (`sender_id`)  
    REFERENCES `airbnb`.`user` (`id`)  
    ON DELETE CASCADE  
    ON UPDATE CASCADE,  
  CONSTRAINT `messages_ibfk_2`  
    FOREIGN KEY (`receiver_id`)  
    REFERENCES `airbnb`.`user` (`id`)  
    ON DELETE CASCADE  
    ON UPDATE CASCADE)  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```

CREATE TABLE



The screenshot shows the MySQL Workbench interface with a query editor and a results grid. The query editor contains the following SQL code:

```
64  
65 •  SELECT * FROM messages;  
66  
67  
68
```

The results grid displays 27 rows of data from the 'messages' table. The columns are labeled: Id, sender_id, receiver_id, content, and timestamp. The data represents a series of messages exchanged between users, with timestamps ranging from April 1, 2024, to April 27, 2024.

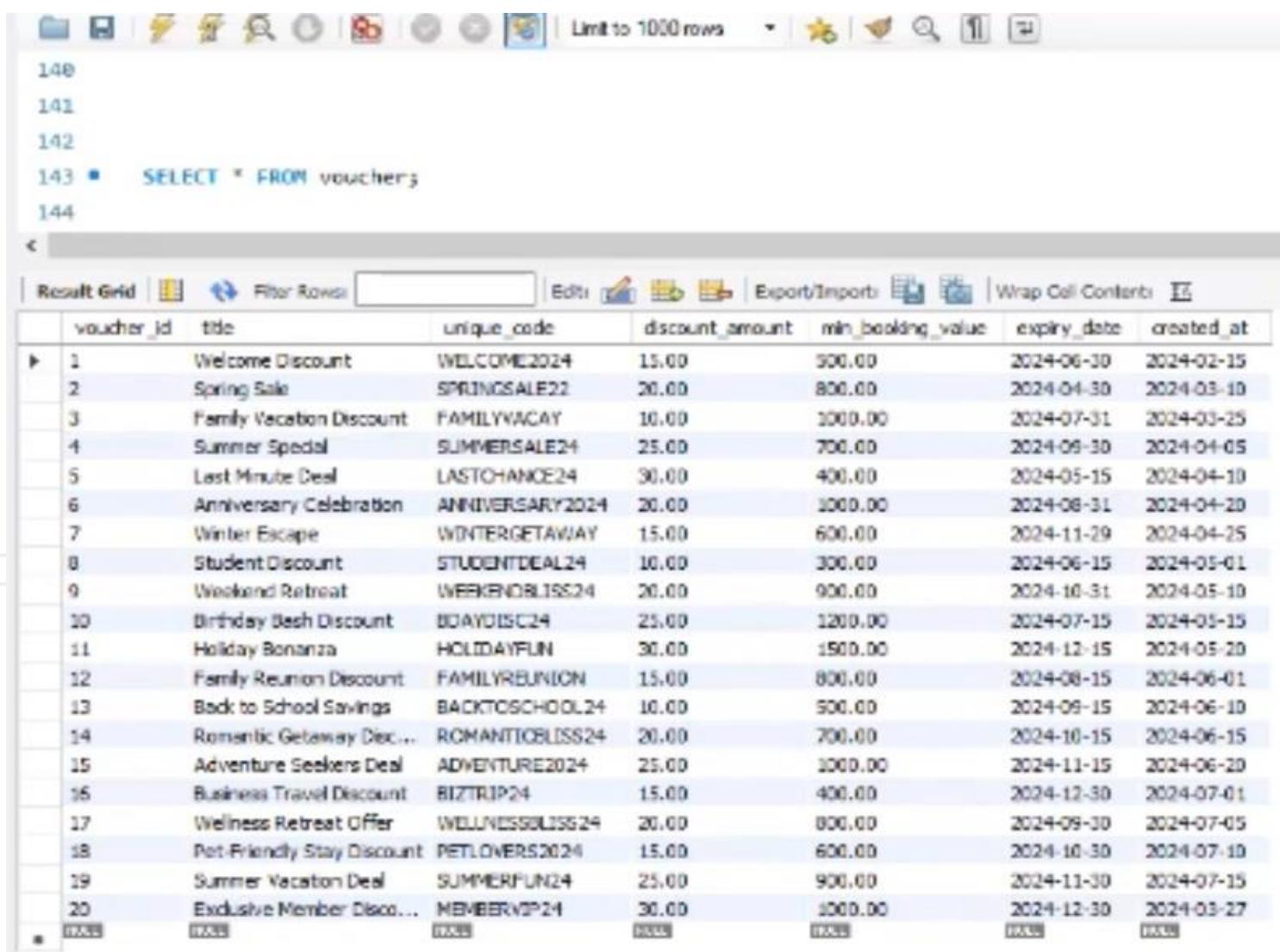
	Id	sender_id	receiver_id	content	timestamp
1	126	135		Hi, I'm interested in booking your property. Can...	2024-04-01 09:13:17
2	126	117		Hello, I'd like to inquire about your property. Ca...	2024-04-02 09:16:52
3	130	118		Good day, I'm looking to make a reservation. W...	2024-04-03 10:29:47
4	131	119		Hi, I'm interested in staying at your place. Can ...	2024-04-04 10:32:14
5	133	120		Hello, I'm considering booking your property. C...	2024-04-05 11:40:12
6	124	121		Hi, I'm planning a trip and your property looks g...	2024-04-06 11:42:49
7	135	122		Good afternoon, I'm interested in your property...	2024-04-07 12:55:27
8	137	122		Hello, I'm looking to make a reservation. Can yo...	2024-04-08 13:49:28
9	139	124		Hello there, I'm considering booking your property...	2024-04-09 14:27:59
10	140	125		Hello, I'm interested in staying at your place. C...	2024-04-10 14:58:33
11	144	126		Good evening, I'm looking to book your propert...	2024-04-11 15:35:49
12	147	127		Hello, I'm interested in your property. Could yo...	2024-04-12 16:20:07
13	152	132		Hi, I'm planning a trip and your property caught...	2024-04-13 17:05:14
14	155	136		Good evening, I'm considering booking your pro...	2024-04-14 17:40:21
15	126	138		Hi, I'm interested in booking your property. Can...	2024-04-15 18:25:33
16	129	139		Hello, I'm considering your property for an upco...	2024-04-16 19:10:45
17	130	141		Good evening, I'm looking to book your propert...	2024-04-17 19:55:58
18	131	142		Hello, I'm interested in staying at your place. C...	2024-04-18 20:40:17
19	133	143		Hi, I'm planning a trip and your property looks p...	2024-04-19 21:23:29
20	134	145		Hello, I'm considering your property. Can you le...	2024-04-20 22:10:42
21	135	146		Hi, I'm interested in staying at your place. Can ...	2024-04-21 22:55:54
22	137	148		Hello, I'm looking to book your property. Can yo...	2024-04-22 00:00:01
23	139	149		Good morning, I'm considering your property fo...	2024-04-23 01:05:10
24	140	151		Hello, I'm interested in staying at your place. C...	2024-04-24 02:10:25
25	144	153		Hi, I'm planning a trip and your property caught...	2024-04-25 03:15:37
26	147	154		Hello, I'm interested in booking your property, ...	2024-04-26 04:20:46
27	152	156		Hi, I'm planning a trip and your property looks g...	2024-04-27 05:25:55

Retrieves all records from the messages table, displaying messages exchanged between guests and hosts.

voucher

```
-- Table `airbnb`.`voucher`  
  
DROP TABLE IF EXISTS `airbnb`.`voucher` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`voucher` (  
    `voucher_id` INT NOT NULL AUTO_INCREMENT COMMENT ,  
    `title` VARCHAR(255) NOT NULL COMMENT ,  
    `unique_code` VARCHAR(255) NOT NULL COMMENT ,  
    `discount_amount` DECIMAL(10,2) NOT NULL COMMENT ,  
    `min_booking_value` DECIMAL(10,2) NOT NULL COMMENT ,  
    `expiry_date` DATE NOT NULL COMMENT ,  
    `created_at` DATE NOT NULL COMMENT ,  
    PRIMARY KEY (`voucher_id`),  
    UNIQUE INDEX `unique_code_UNIQUE` (`voucher_id` ASC) VISIBLE  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```

CREATE TABLE



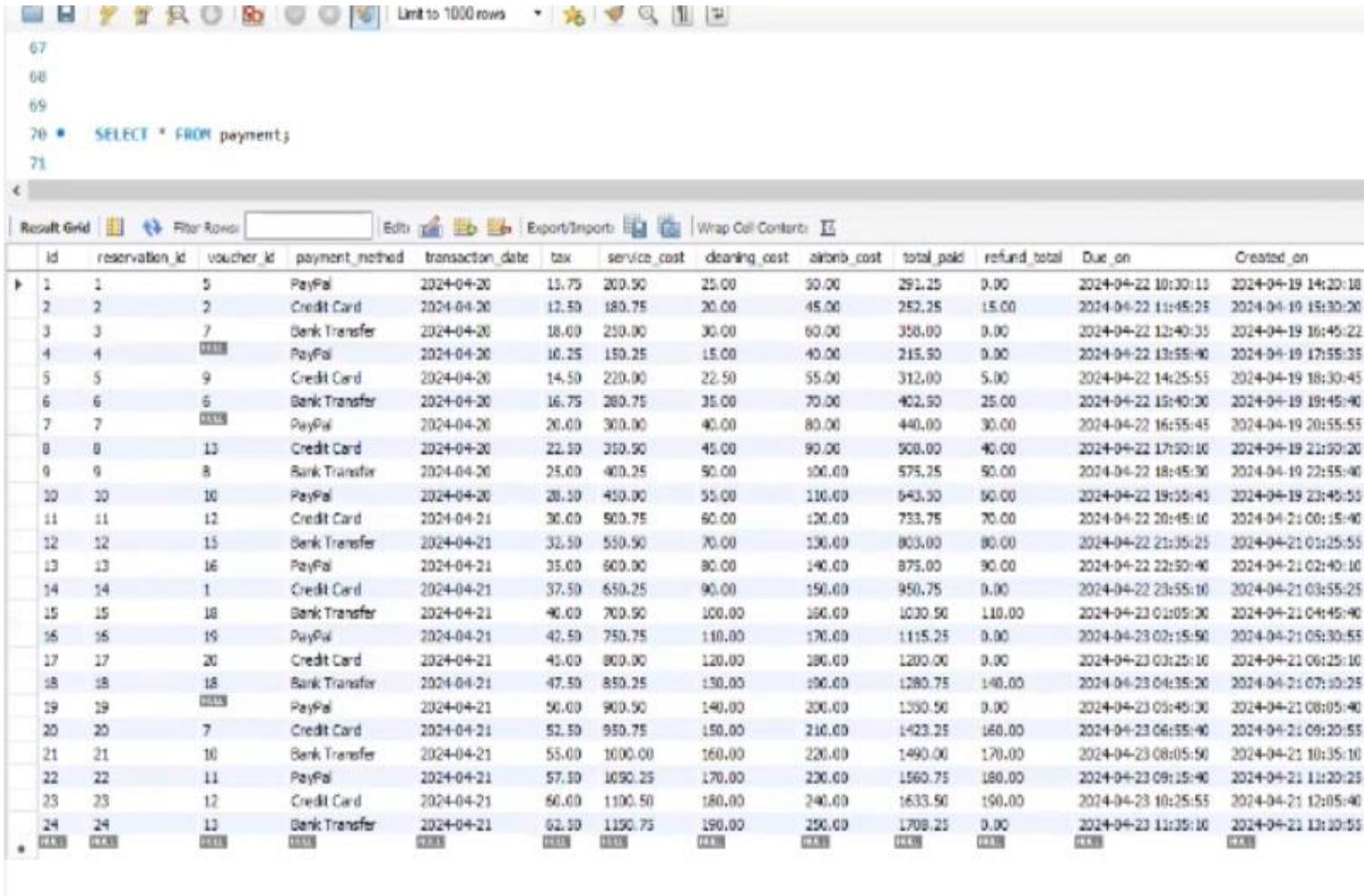
The screenshot shows the MySQL Workbench interface with a query editor and a result grid. The query editor contains the SQL code for creating the 'voucher' table. The result grid displays 20 rows of sample data for the 'voucher' table, including columns: voucher_id, title, unique_code, discount_amount, min_booking_value, expiry_date, and created_at.

voucher_id	title	unique_code	discount_amount	min_booking_value	expiry_date	created_at
1	Welcome Discount	WELCOME2024	15.00	500.00	2024-06-30	2024-02-15
2	Spring Sale	SPRINGSALE22	20.00	800.00	2024-04-30	2024-03-10
3	Family Vacation Discount	FAMILYVACAY	10.00	1000.00	2024-07-31	2024-03-25
4	Summer Special	SUMMERSALE24	25.00	700.00	2024-09-30	2024-04-05
5	Last Minute Deal	LASTCHANCE24	30.00	400.00	2024-05-15	2024-04-10
6	Anniversary Celebration	ANNIVERSARY2024	20.00	1000.00	2024-08-31	2024-04-20
7	Winter Escape	WINTERGETAWAY	15.00	600.00	2024-11-29	2024-04-25
8	Student Discount	STUDENTDEAL24	10.00	300.00	2024-06-15	2024-05-01
9	Weekend Retreat	WEEKENDBLISS24	20.00	900.00	2024-10-31	2024-05-10
10	Birthday Bash Discount	BDAYDISC24	25.00	1200.00	2024-07-15	2024-05-15
11	Holiday Bonanza	HOLIDAYFUN	30.00	1500.00	2024-12-15	2024-05-20
12	Family Reunion Discount	FAMILYREUNION	15.00	800.00	2024-08-15	2024-06-01
13	Back to School Savings	BACKTOSCHOOL24	10.00	500.00	2024-09-15	2024-06-10
14	Romantic Getaway Deal...	ROMANTICBLISS24	20.00	700.00	2024-10-15	2024-06-15
15	Adventure Seekers Deal	ADVENTURE2024	25.00	1000.00	2024-11-15	2024-06-20
16	Business Travel Discount	BIZTRIP24	15.00	400.00	2024-12-30	2024-07-01
17	Wellness Retreat Offer	WELLNESSBLISS24	20.00	600.00	2024-09-30	2024-07-05
18	Pet-Friendly Stay Discount	PETLOVERS2024	15.00	600.00	2024-10-30	2024-07-10
19	Summer Vacation Deal	SUMMERFUN24	25.00	900.00	2024-11-30	2024-07-15
20	Exclusive Member Disc...	MEMBERVIP24	30.00	1000.00	2024-12-30	2024-03-27

Retrieves all records from the voucher table, displaying details about discount vouchers available to users, including codes, discounts, and validity dates.

payment

```
-- Table `airbnb`.`payment`  
  
DROP TABLE IF EXISTS `airbnb`.`payment` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`payment` (  
  `id` INT NOT NULL AUTO_INCREMENT COMMENT ,  
  `reservation_id` INT NOT NULL COMMENT ,  
  `voucher_id` INT NULL DEFAULT NULL COMMENT ,  
  `payment_method` VARCHAR(255) NOT NULL COMMENT ,  
  `transaction_date` DATE NOT NULL COMMENT ,  
  `tax` DECIMAL(10,2) NOT NULL COMMENT ,  
  `service_cost` DECIMAL(10,2) NOT NULL COMMENT ,  
  `cleaning_cost` DECIMAL(10,2) NOT NULL COMMENT ,  
  `airbnb_cost` DECIMAL(10,2) NOT NULL COMMENT ,  
  `total_paid` DECIMAL(10,2) NOT NULL COMMENT ,  
  `refund_total` DECIMAL(10,2) NULL DEFAULT NULL,  
  `Due_on` DATETIME NULL DEFAULT NULL,  
  `Created_on` DATETIME NULL DEFAULT NULL,  
  PRIMARY KEY (`id`),  
  INDEX `booking_id` (`reservation_id` ASC) VISIBLE,  
  INDEX `voucher_id` (`voucher_id` ASC) VISIBLE,  
  CONSTRAINT `transaction_ibfk_1`  
    FOREIGN KEY (`reservation_id`)  
    REFERENCES `airbnb`.`reservations` (`reservation_id`)  
    ON UPDATE CASCADE,  
  CONSTRAINT `transaction_ibfk_2`  
    FOREIGN KEY (`voucher_id`)  
    REFERENCES `airbnb`.`voucher` (`voucher_id`)  
    ON UPDATE CASCADE)  
  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```



The screenshot shows the MySQL Workbench interface with the 'payment' table selected. The left pane displays the table's schema definition, including columns for id, reservation_id, voucher_id, payment_method, transaction_date, tax, service_cost, cleaning_cost, airbnb_cost, total_paid, refund_total, Due_on, and Created_on. The right pane shows a result grid with 24 rows of sample data. The columns correspond to the schema: id, reservation_id, voucher_id, payment_method, transaction_date, tax, service_cost, cleaning_cost, airbnb_cost, total_paid, refund_total, Due_on, and Created_on. The data includes various payment methods like PayPal and Credit Card, transaction dates ranging from April 20 to April 21, 2024, and total paid amounts ranging from 15.00 to 291.25.

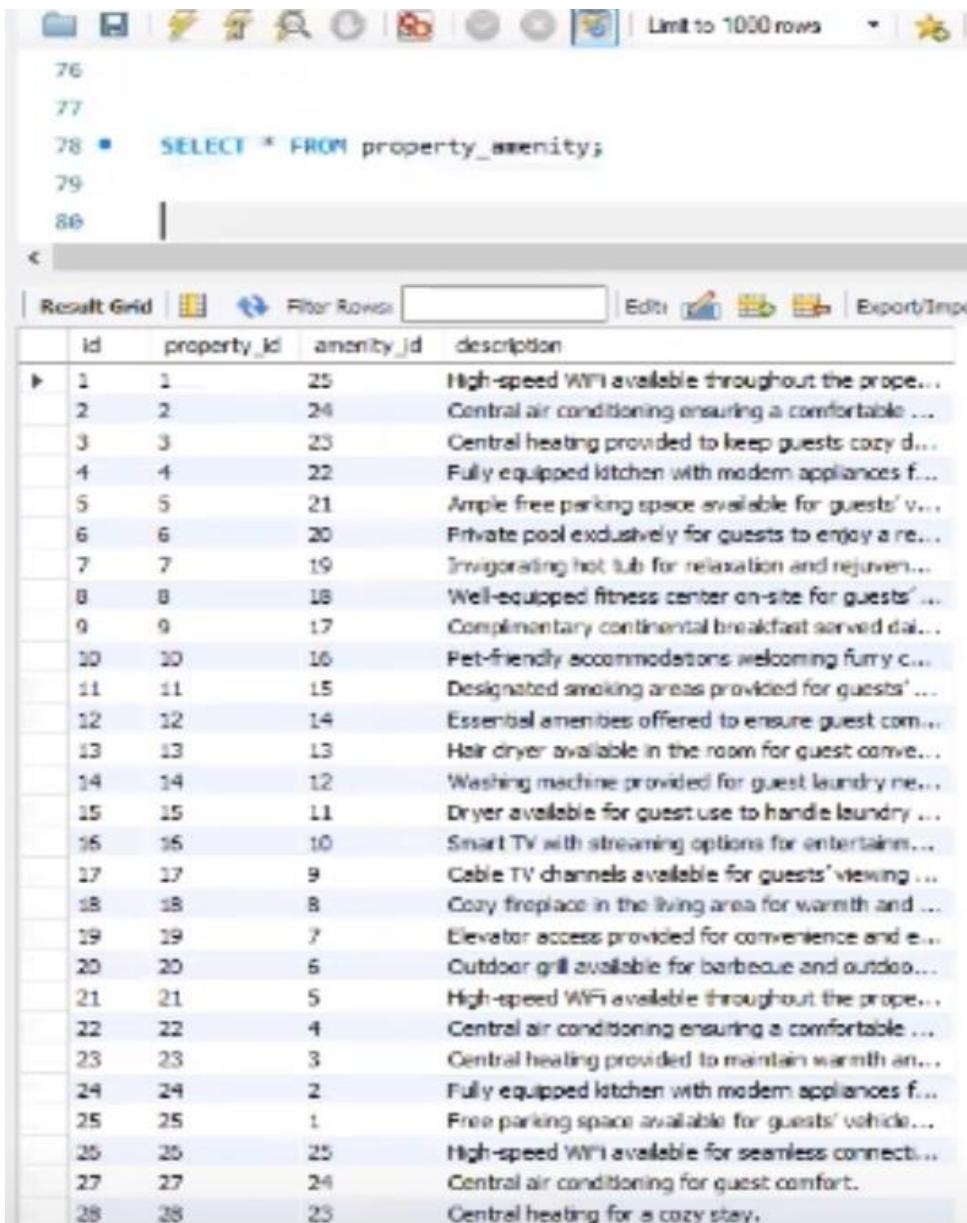
1	1	5	PayPal	2024-04-20	15.75	200.50	25.00	50.00	291.25	0.00	2024-04-22 10:30:15	2024-04-19 14:20:18	
2	2	2	Credit Card	2024-04-20	12.50	180.75	20.00	45.00	252.25	15.00	2024-04-22 11:45:25	2024-04-19 15:30:20	
3	3	7	Bank Transfer	2024-04-20	18.00	250.00	30.00	60.00	350.00	0.00	2024-04-22 12:40:35	2024-04-19 16:45:22	
4	4	8	PayPal	2024-04-20	16.25	150.25	15.00	40.00	215.50	0.00	2024-04-22 13:55:40	2024-04-19 17:55:35	
5	5	9	Credit Card	2024-04-20	14.50	220.00	22.50	55.00	312.00	5.00	2024-04-22 14:25:55	2024-04-19 18:30:45	
6	6	6	Bank Transfer	2024-04-20	16.75	280.75	35.00	70.00	402.50	25.00	2024-04-22 15:40:30	2024-04-19 19:45:40	
7	7	10	PayPal	2024-04-20	20.00	300.00	40.00	80.00	440.00	30.00	2024-04-22 16:55:45	2024-04-19 20:55:55	
8	8	13	Credit Card	2024-04-20	22.50	350.50	45.00	90.00	500.00	40.00	2024-04-22 17:50:10	2024-04-19 21:50:20	
9	9	8	Bank Transfer	2024-04-20	25.00	400.25	50.00	100.00	575.25	50.00	2024-04-22 18:45:30	2024-04-19 22:55:40	
10	10	10	PayPal	2024-04-20	28.10	450.00	55.00	110.00	643.00	60.00	2024-04-22 19:35:45	2024-04-19 23:45:55	
11	11	12	Credit Card	2024-04-21	30.00	500.75	60.00	120.00	733.75	70.00	2024-04-22 20:45:10	2024-04-21 00:15:40	
12	12	15	Bank Transfer	2024-04-21	32.50	550.50	70.00	130.00	803.00	80.00	2024-04-22 21:35:25	2024-04-21 01:25:55	
13	13	16	PayPal	2024-04-21	35.00	600.00	80.00	140.00	875.00	90.00	2024-04-22 22:50:40	2024-04-21 02:40:10	
14	14	1	Credit Card	2024-04-21	37.50	650.25	90.00	150.00	950.75	0.00	2024-04-22 23:55:10	2024-04-21 03:55:25	
15	15	18	Bank Transfer	2024-04-21	40.00	700.50	100.00	160.00	1030.50	110.00	2024-04-23 01:05:30	2024-04-21 04:45:40	
16	16	19	PayPal	2024-04-21	42.50	750.75	110.00	170.00	1115.25	0.00	2024-04-23 02:15:50	2024-04-21 05:30:55	
17	17	20	Credit Card	2024-04-21	45.00	800.00	120.00	180.00	1200.00	0.00	2024-04-23 03:25:10	2024-04-21 06:25:10	
18	18	18	Bank Transfer	2024-04-21	47.50	850.25	130.00	190.00	1280.75	140.00	2024-04-23 04:35:20	2024-04-21 07:30:25	
19	19	11	PayPal	2024-04-21	50.00	900.50	140.00	200.00	1350.50	0.00	2024-04-23 05:45:30	2024-04-21 08:05:40	
20	20	7	Credit Card	2024-04-21	52.50	950.75	150.00	210.00	1423.25	160.00	2024-04-23 06:55:40	2024-04-21 09:20:55	
21	21	10	Bank Transfer	2024-04-21	55.00	1000.00	160.00	220.00	1490.00	170.00	2024-04-23 08:05:50	2024-04-21 10:35:10	
22	22	11	PayPal	2024-04-21	57.50	1050.25	170.00	230.00	1560.75	180.00	2024-04-23 09:15:40	2024-04-21 11:20:25	
23	23	12	Credit Card	2024-04-21	60.00	1100.50	180.00	240.00	1633.50	190.00	2024-04-23 10:25:55	2024-04-21 12:05:40	
24	24	13	Bank Transfer	2024-04-21	62.50	1150.75	190.00	250.00	1708.25	0.00	2024-04-23 11:35:10	2024-04-21 13:20:55	

Retrieves all records from the payment table, displaying details about payments made for reservations, including payment methods, transaction dates, and amounts.

property_amenity

```
-- Table `airbnb`.`property_amenity`  
-----  
DROP TABLE IF EXISTS `airbnb`.`property_amenity` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`property_amenity` (  
  `id` INT NOT NULL AUTO_INCREMENT COMMENT ,  
  `property_id` INT NOT NULL COMMENT ,  
  `amenity_id` INT NOT NULL COMMENT ,  
  `description` VARCHAR(255) NOT NULL,  
  PRIMARY KEY (`id`),  
  INDEX `property_id` (`property_id` ASC) VISIBLE,  
  INDEX `property_details_id` (`amenity_id` ASC) VISIBLE,  
  CONSTRAINT `property_attributes_link_ibfk_1`  
    FOREIGN KEY (`property_id`)  
      REFERENCES `airbnb`.`property` (`id`)  
      ON DELETE CASCADE  
      ON UPDATE CASCADE,  
  CONSTRAINT `property_attributes_link_ibfk_2`  
    FOREIGN KEY (`amenity_id`)  
      REFERENCES `airbnb`.`amenity` (`id`)  
      ON DELETE CASCADE  
      ON UPDATE CASCADE)  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```

CREATE TABLE



The screenshot shows the MySQL Workbench interface with a database browser window. The title bar says "SELECT * FROM property_amenity;". The table structure is visible with columns: id, property_id, amenity_id, and description. Below is a grid of 28 rows of sample data:

	id	property_id	amenity_id	description
1	1	25		High-speed WiFi available throughout the property.
2	2	24		Central air conditioning ensuring a comfortable stay.
3	3	23		Central heating provided to keep guests cozy during cold weather.
4	4	22		Fully equipped kitchen with modern appliances for cooking.
5	5	21		Ample free parking space available for guests' vehicles.
6	6	20		Private pool exclusively for guests to enjoy a relaxing swim.
7	7	19		Invigorating hot tub for relaxation and rejuvenation.
8	8	18		Well-equipped fitness center on-site for guests' physical well-being.
9	9	17		Complimentary continental breakfast served daily.
10	10	16		Pet-friendly accommodations welcoming furry companions.
11	11	15		Designated smoking areas provided for guests' convenience.
12	12	14		Essential amenities offered to ensure guest comfort.
13	13	13		Hair dryer available in the room for guest convenience.
14	14	12		Washing machine provided for guest laundry needs.
15	15	11		Dryer available for guest use to handle laundry.
16	16	10		Smart TV with streaming options for entertainment.
17	17	9		Cable TV channels available for guests' viewing pleasure.
18	18	8		Cozy fireplace in the living area for warmth and ambiance.
19	19	7		Elevator access provided for convenience and ease of movement.
20	20	6		Outdoor grill available for barbecue and outdoor cooking.
21	21	5		High-speed WiFi available throughout the property.
22	22	4		Central air conditioning ensuring a comfortable stay.
23	23	3		Central heating provided to maintain warmth and comfort.
24	24	2		Fully equipped kitchen with modern appliances for cooking.
25	25	1		Free parking space available for guests' vehicle.
26	26	25		High-speed WiFi available for seamless connectivity.
27	27	24		Central air conditioning for guest comfort.
28	28	23		Central heating for a cozy stay.

Retrieves all records from the property_amenity table, displaying the linkage between properties and the amenities they offer.

property_availability

```
-- Table `airbnb`.`property_availability`  
  
DROP TABLE IF EXISTS `airbnb`.`property_availability` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`property_availability` (  
  `id` INT NOT NULL AUTO_INCREMENT COMMENT ,  
  `property_id` INT NOT NULL COMMENT ,  
  `available_date` DATETIME NOT NULL COMMENT ,  
  `available_status` VARCHAR(255) NOT NULL COMMENT ,  
  `price` DECIMAL(10,2) NOT NULL,  
  PRIMARY KEY (`id`),  
  INDEX `property_id` (`property_id` ASC) VISIBLE,  
  CONSTRAINT `property_availability_ibfk_1`  
    FOREIGN KEY (`property_id`)  
    REFERENCES `airbnb`.`property` (`id`)  
    ON DELETE CASCADE  
    ON UPDATE CASCADE)  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```

79
80
81
82 • SELECT * FROM property_availability;
83

Result Grid | Filter Rows | Edit |

ID	PROPERTY_ID	AVAILABLE_DATE	AVAILABLE_STATUS	PRICE
1	1	2024-04-24 09:00:00	available	120.00
2	2	2024-04-25 10:00:00	booked	180.00
3	3	2024-04-25 11:00:00	available	150.00
4	4	2024-04-27 12:00:00	available	300.00
5	5	2024-04-28 13:00:00	booked	200.00
6	6	2024-04-29 14:00:00	available	180.00
7	7	2024-04-30 15:00:00	available	220.00
8	8	2024-05-01 16:00:00	booked	120.00
9	9	2024-05-02 17:00:00	available	200.00
10	10	2024-05-03 18:00:00	available	250.00
11	11	2024-05-04 19:00:00	booked	150.00
12	12	2024-05-05 20:00:00	available	180.00
13	13	2024-05-06 21:00:00	available	200.00
14	14	2024-05-07 22:00:00	booked	120.00
15	15	2024-05-08 23:00:00	available	150.00
16	16	2024-05-09 09:00:00	available	180.00
17	17	2024-05-10 10:00:00	booked	180.00
18	18	2024-05-11 11:00:00	available	100.00
19	19	2024-05-12 12:00:00	available	150.00
20	20	2024-05-13 13:00:00	booked	180.00
21	21	2024-05-14 14:00:00	available	250.00
22	22	2024-05-15 15:00:00	available	200.00
23	23	2024-05-16 16:00:00	booked	150.00
24	24	2024-05-17 17:00:00	available	120.00
25	25	2024-05-18 18:00:00	available	150.00
26	26	2024-05-19 19:00:00	booked	180.00
27	27	2024-05-20 20:00:00	available	120.00
28	28	2024-05-21 21:00:00	available	80.00
29	29	2024-05-22 22:00:00	booked	150.00

Retrieves all records from the property_availability table, displaying availability details for properties, indicating when they are available for booking.

CREATE TABLE

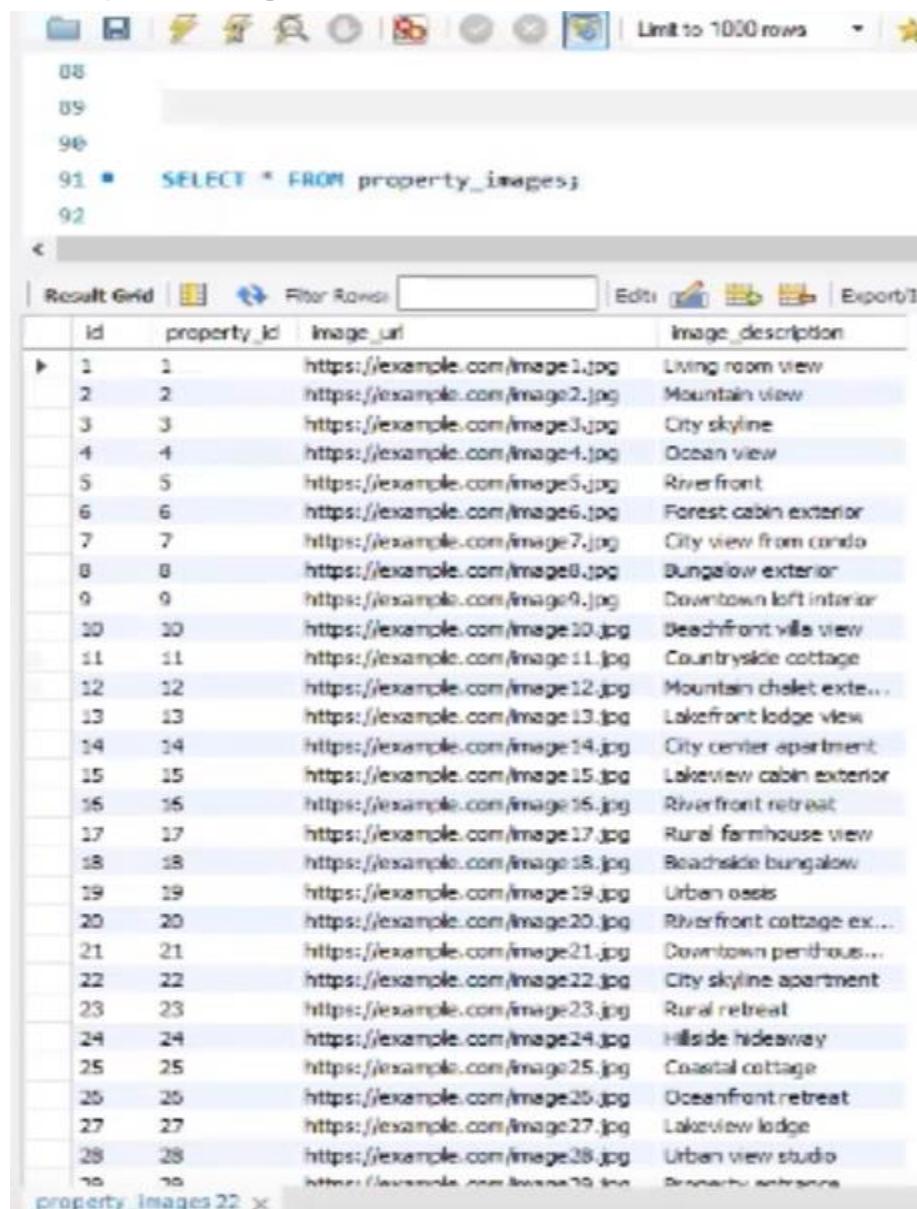
```
-- Table `airbnb`.`property_images`

DROP TABLE IF EXISTS `airbnb`.`property_images` ;

CREATE TABLE IF NOT EXISTS `airbnb`.`property_images` (
  `id` INT NOT NULL AUTO_INCREMENT COMMENT ,
  `property_id` INT NOT NULL COMMENT ,
  `image_url` VARCHAR(255) NOT NULL COMMENT ,
  `image_description` VARCHAR(255) NULL DEFAULT NULL COMMENT ,
  PRIMARY KEY (`id`),
  INDEX `fk_property_images_property1_idx` (`property_id` ASC) VISIBLE,
  CONSTRAINT `fk_property_images_property`
    FOREIGN KEY (`property_id`)
    REFERENCES `airbnb`.`property` (`id`)
    ON DELETE CASCADE
    ON UPDATE CASCADE)
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;
```

CREATE TABLE

property_images



The screenshot shows a MySQL Workbench interface with the following details:

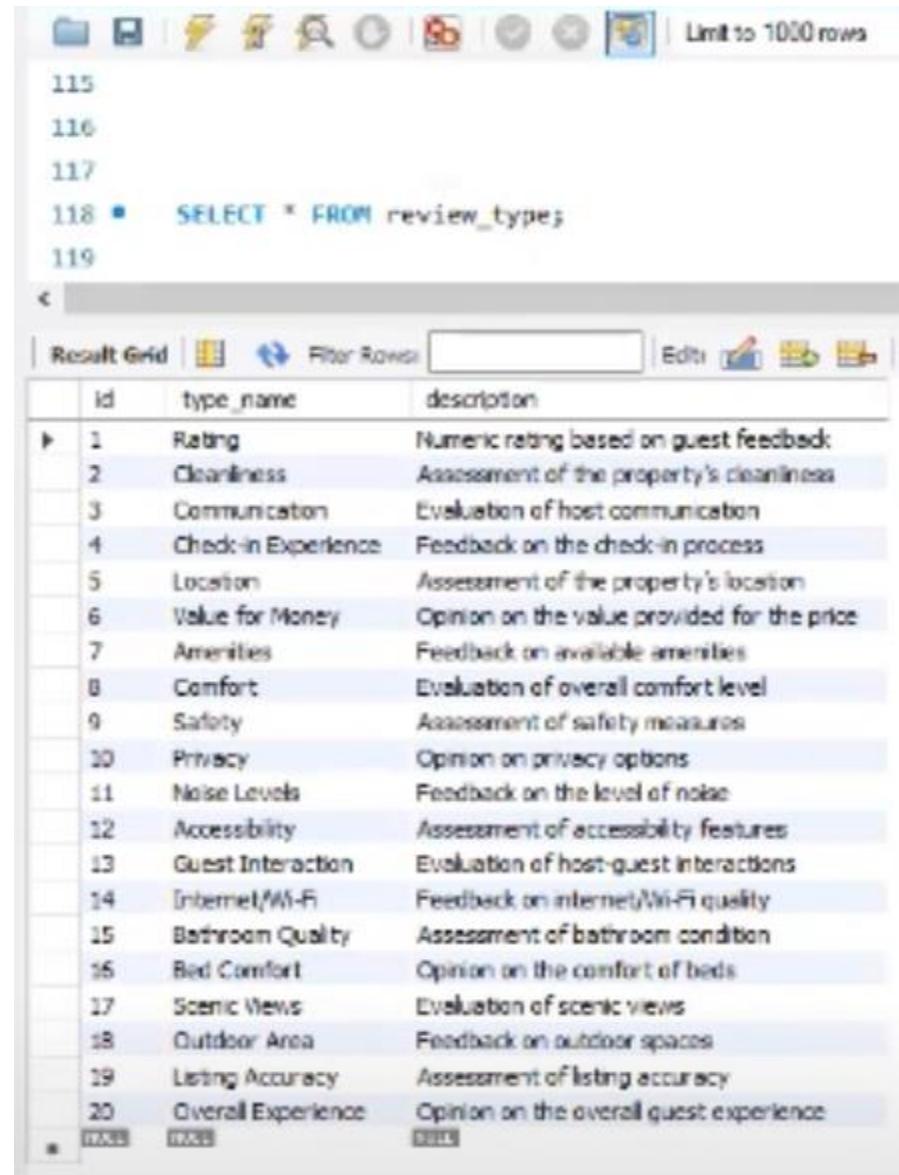
- Toolbar:** Includes icons for file operations (New, Open, Save, Print, etc.), search, and database navigation.
- Text Editor:** Shows the SQL query: `SELECT * FROM property_images;`
- Result Grid:** Displays the data from the 'property_images' table. The columns are `id`, `property_id`, `image_url`, and `image_description`. The data consists of 22 rows, each with a unique ID and a corresponding image URL and description.

id	property_id	image_url	image_description
1	1	https://example.com/image1.jpg	Living room view
2	2	https://example.com/image2.jpg	Mountain view
3	3	https://example.com/image3.jpg	City skyline
4	4	https://example.com/image4.jpg	Ocean view
5	5	https://example.com/image5.jpg	Riverfront
6	6	https://example.com/image6.jpg	Forest cabin exterior
7	7	https://example.com/image7.jpg	City view from condo
8	8	https://example.com/image8.jpg	Bungalow exterior
9	9	https://example.com/image9.jpg	Downtown loft interior
10	10	https://example.com/image10.jpg	Beachfront villa view
11	11	https://example.com/image11.jpg	Countryside cottage
12	12	https://example.com/image12.jpg	Mountain chalet exte...
13	13	https://example.com/image13.jpg	Lakefront lodge view
14	14	https://example.com/image14.jpg	City center apartment
15	15	https://example.com/image15.jpg	Lakeview cabin exterior
16	16	https://example.com/image16.jpg	Riverfront retreat
17	17	https://example.com/image17.jpg	Rural farmhouse view
18	18	https://example.com/image18.jpg	Beachside bungalow
19	19	https://example.com/image19.jpg	Urban oasis
20	20	https://example.com/image20.jpg	Riverfront cottage ex...
21	21	https://example.com/image21.jpg	Downtown penthouse...
22	22	https://example.com/image22.jpg	City skyline apartment
23	23	https://example.com/image23.jpg	Rural retreat
24	24	https://example.com/image24.jpg	Hillside hideaway
25	25	https://example.com/image25.jpg	Coastal cottage
26	26	https://example.com/image26.jpg	Oceanfront retreat
27	27	https://example.com/image27.jpg	Lakeview lodge
28	28	https://example.com/image28.jpg	Urban view studio
29	29	https://example.com/image29.jpg	Private entrance

Retrieves all records from the `property_images` table, displaying images of properties listed on the platform.

review_type

```
-- Table `airbnb`.`review_type`  
  
DROP TABLE IF EXISTS `airbnb`.`review_type` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`review_type` (  
  `id` INT NOT NULL AUTO_INCREMENT COMMENT ,  
  `type_name` VARCHAR(255) NOT NULL COMMENT ,  
  `description` LONGTEXT NOT NULL,  
  PRIMARY KEY (`id`))  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_unicode_ci;
```



The screenshot shows the MySQL Workbench interface with a query editor and a results grid. The query editor contains the SQL code for creating the review_type table. The results grid displays 20 rows of data from the table, each with an id, type_name, and description.

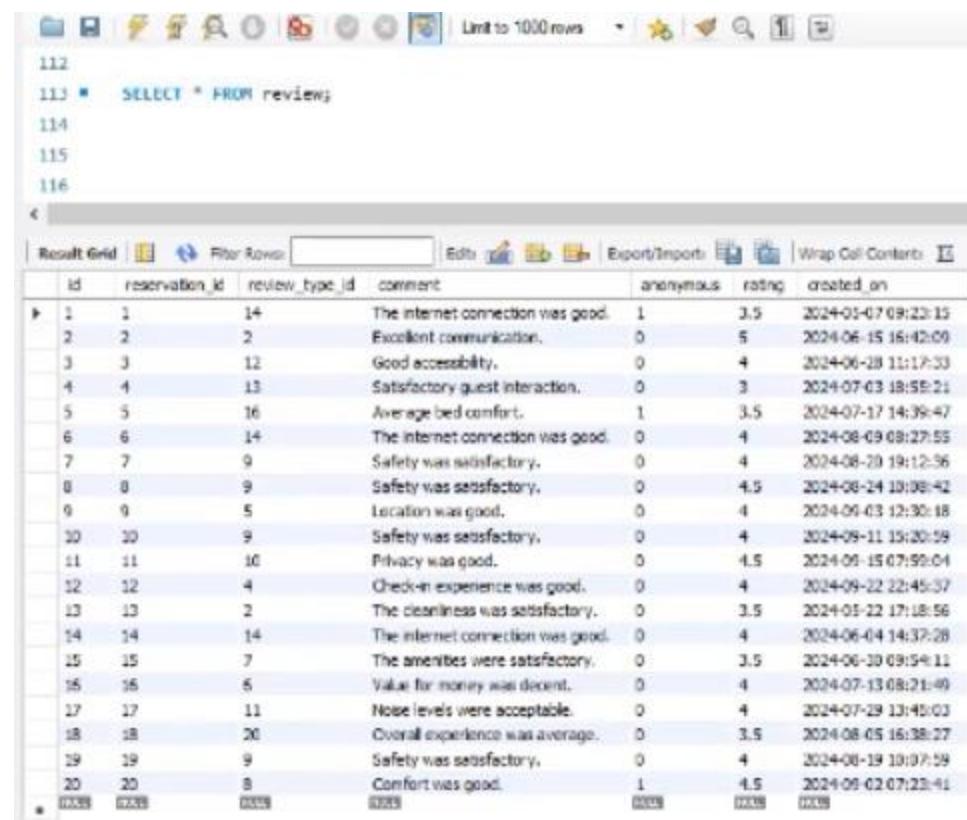
	id	type_name	description
1	Rating	Numeric rating based on guest feedback.	
2	Cleanliness	Assessment of the property's cleanliness.	
3	Communication	Evaluation of host communication.	
4	Check-in Experience	Feedback on the check-in process.	
5	Location	Assessment of the property's location.	
6	Value for Money	Opinion on the value provided for the price.	
7	Amenities	Feedback on available amenities.	
8	Comfort	Evaluation of overall comfort level.	
9	Safety	Assessment of safety measures.	
10	Privacy	Opinion on privacy options.	
11	Noise Levels	Feedback on the level of noise.	
12	Accessibility	Assessment of accessibility features.	
13	Guest Interaction	Evaluation of host-guest interactions.	
14	Internet/Wi-Fi	Feedback on internet/Wi-Fi quality.	
15	Bathroom Quality	Assessment of bathroom condition.	
16	Bed Comfort	Opinion on the comfort of beds.	
17	Scenic Views	Evaluation of scenic views.	
18	Outdoor Area	Feedback on outdoor spaces.	
19	Listing Accuracy	Assessment of listing accuracy.	
20	Overall Experience	Opinion on the overall guest experience.	

Retrieves all records from the review_type table, displaying different types of reviews, such as property reviews or host reviews.

CREATE TABLE

review

```
-- Table `airbnb`.`review`  
--  
DROP TABLE IF EXISTS `airbnb`.`review` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`review` (  
  `id` INT NOT NULL AUTO_INCREMENT COMMENT ,  
  `reservation_id` INT NOT NULL COMMENT ,  
  `review_type_id` INT NOT NULL COMMENT ,  
  `comment` TEXT NOT NULL COMMENT ,  
  `anonymous` TINYINT NOT NULL COMMENT ,  
  `rating` FLOAT NOT NULL COMMENT ,  
  `created_on` DATETIME NOT NULL COMMENT ,  
  PRIMARY KEY (`id`),  
  INDEX `fk_host_review_booking1_idx` (`reservation_id` ASC) VISIBLE,  
  INDEX `fk_guest_review_type1_idx` (`review_type_id` ASC) VISIBLE,  
  CONSTRAINT `fk_guest_review_booking`  
    FOREIGN KEY (`reservation_id`)  
    REFERENCES `airbnb`.`reservations` (`reservation_id`)  
    ON UPDATE CASCADE,  
  CONSTRAINT `fk_guest_review_type1`  
    FOREIGN KEY (`review_type_id`)  
    REFERENCES `airbnb`.`review_type` (`id`)  
    ON DELETE CASCADE  
    ON UPDATE CASCADE)  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```



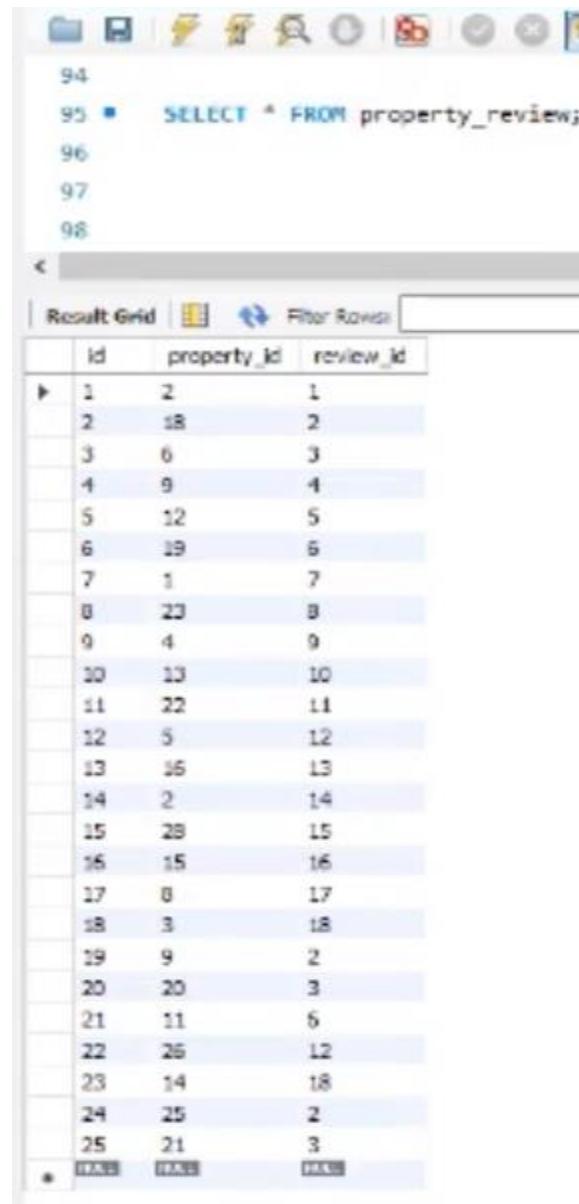
The screenshot shows the MySQL Workbench interface with a query editor window containing the SQL code for creating the review table. Below the code is a results grid titled 'Result Grid' showing 20 rows of sample data. The columns in the grid are: id, reservation_id, review_type_id, comment, anonymous, rating, and created_on. The data includes various comments like 'The internet connection was good.', 'Excellent communication.', etc., along with their respective IDs, reservation IDs, review type IDs, ratings (e.g., 3.5, 4, 5), and creation dates/times.

	id	reservation_id	review_type_id	comment	anonymous	rating	created_on
1	1	1	14	The internet connection was good.	1	3.5	2024-01-07 09:23:15
2	2	2	2	Excellent communication.	0	5	2024-06-15 16:42:09
3	3	12	12	Good accessibility.	0	4	2024-06-28 11:17:33
4	4	13	13	Satisfactory guest interaction.	0	3	2024-07-03 18:55:21
5	5	16	16	Average bed comfort.	1	3.5	2024-07-17 14:39:47
6	6	14	14	The internet connection was good.	0	4	2024-08-09 08:27:55
7	7	9	9	Safety was satisfactory.	0	4	2024-08-20 19:12:36
8	8	9	9	Safety was satisfactory.	0	4.5	2024-08-24 18:08:42
9	9	5	5	Location was good.	0	4	2024-09-03 12:30:18
10	10	9	9	Safety was satisfactory.	0	4	2024-09-11 15:20:59
11	11	10	10	Privacy was good.	0	4.5	2024-09-15 07:59:04
12	12	4	4	Check-in experience was good.	0	4	2024-09-22 22:45:37
13	13	2	2	The cleanliness was satisfactory.	0	3.5	2024-05-22 17:18:56
14	14	14	14	The internet connection was good.	0	4	2024-06-04 14:37:28
15	15	7	7	The amenities were satisfactory.	0	3.5	2024-06-10 09:54:11
16	16	5	5	Value for money was decent.	0	4	2024-07-13 08:21:49
17	17	11	11	Noise levels were acceptable.	0	4	2024-07-29 13:45:03
18	18	20	20	Overall experience was average.	0	3.5	2024-08-05 16:38:27
19	19	9	9	Safety was satisfactory.	0	4	2024-08-19 10:07:59
20	20	8	8	Comfort was good.	1	4.5	2024-09-02 07:23:41

Retrieves all records from the review table, displaying reviews left by guests about their stays, including ratings and comments.

property_review

```
-- Table `airbnb`.`property_review`  
  
DROP TABLE IF EXISTS `airbnb`.`property_review` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`property_review` (  
    `id` INT NOT NULL AUTO_INCREMENT COMMENT ,  
    `property_id` INT NOT NULL COMMENT ,  
    `review_id` INT NULL DEFAULT NULL,  
    PRIMARY KEY (`id`),  
    INDEX `fk_property_review_property1_idx` (`property_id` ASC) VISIBLE,  
    INDEX `fk_review_id_idx` (`review_id` ASC) VISIBLE,  
    CONSTRAINT `fk_property_review_property1`  
        FOREIGN KEY (`property_id`)  
        REFERENCES `airbnb`.`property` (`id`)  
        ON DELETE CASCADE  
        ON UPDATE CASCADE,  
    CONSTRAINT `fk_review_id`  
        FOREIGN KEY (`review_id`)  
        REFERENCES `airbnb`.`review` (`id`))  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```



The screenshot shows the MySQL Workbench interface with a query editor and a result grid. The query editor contains the following SQL code:

```
94  
95 •  SELECT * FROM property_review;  
96  
97  
98
```

The result grid displays the following data:

	Id	property_id	review_id
1	1	2	1
2	18	18	2
3	6	6	3
4	9	9	4
5	12	12	5
6	19	19	6
7	1	1	7
8	23	23	8
9	4	4	9
10	13	13	10
11	22	22	11
12	5	5	12
13	16	16	13
14	2	2	14
15	28	28	15
16	15	15	16
17	8	8	17
18	3	3	18
19	9	9	2
20	20	20	3
21	11	11	5
22	26	26	12
23	14	14	18
24	25	25	2
25	21	21	3

CREATE TABLE

Retrieves all records from the property_review table, displaying reviews of properties made by guests.

```

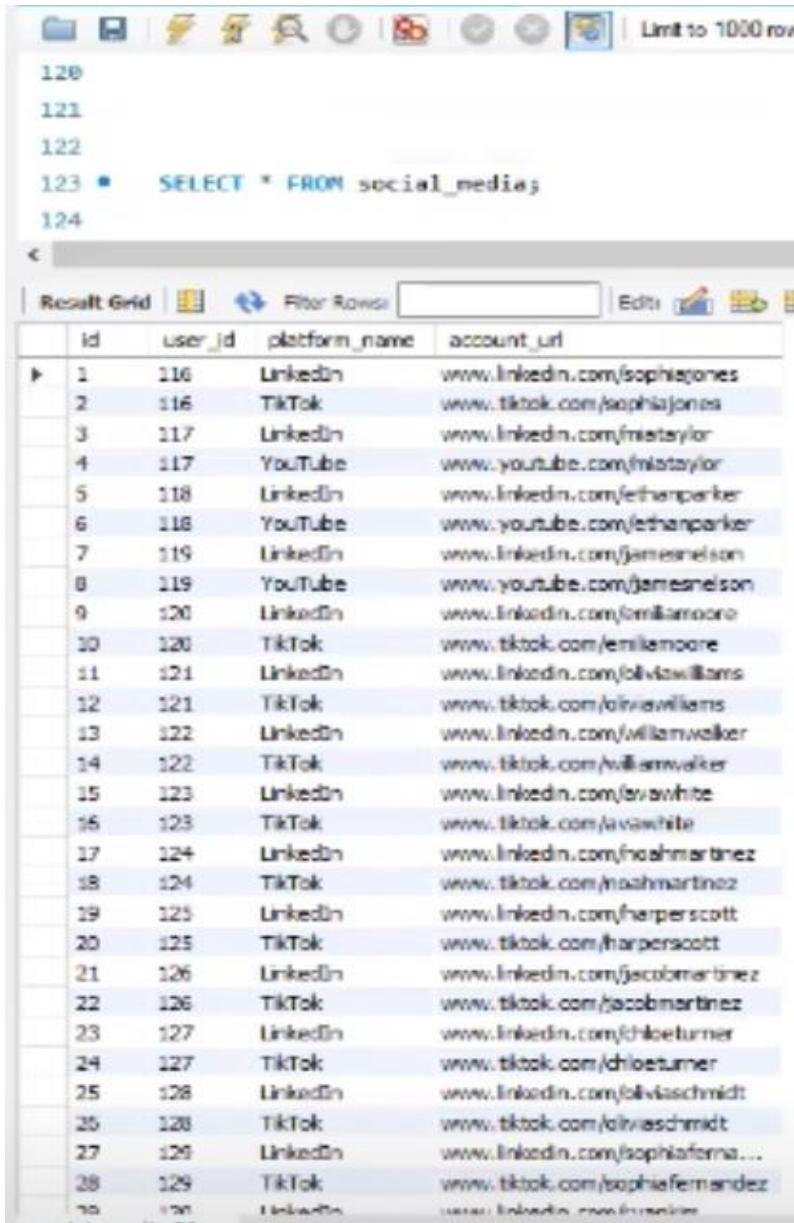
-- Table `airbnb`.`social_media`
-- 
DROP TABLE IF EXISTS `airbnb`.`social_media` ;

CREATE TABLE IF NOT EXISTS `airbnb`.`social_media` (
  `id` INT NOT NULL AUTO_INCREMENT COMMENT ,
  `user_id` INT NOT NULL COMMENT ,
  `platform_name` VARCHAR(255) NOT NULL COMMENT ,
  `account_url` VARCHAR(255) NULL DEFAULT NULL COMMENT ,
  PRIMARY KEY (`id`),
  INDEX `user_id` (`user_id` ASC) VISIBLE,
  CONSTRAINT `social_media_ibfk_1`
    FOREIGN KEY (`user_id`)
    REFERENCES `airbnb`.`user` (`id`)
    ON DELETE CASCADE
    ON UPDATE CASCADE)
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;

```

CREATE TABLE

social_media



The screenshot shows the MySQL Workbench interface with a query editor and a result grid. The query editor contains the following SQL code:

```

120
121
122
123 *  SELECT * FROM social_media;
124

```

The result grid displays the data from the social_media table:

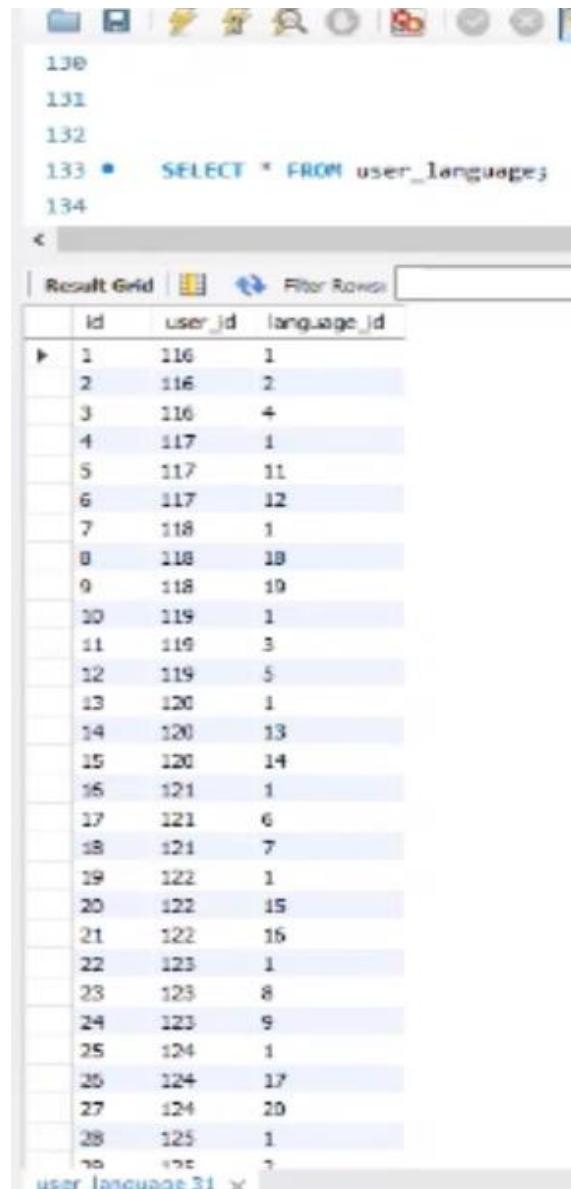
	Result Grid	Filter Rows	Edit
1	116	LinkedIn	www.linkedin.com/sophiajones
2	116	TikTok	www.tiktok.com/sophiajones
3	117	LinkedIn	www.linkedin.com/marietaylor
4	117	YouTube	www.youtube.com/marietaylor
5	118	LinkedIn	www.linkedin.com/ethanparker
6	118	YouTube	www.youtube.com/ethanparker
7	119	LinkedIn	www.linkedin.com/jamesnelson
8	119	YouTube	www.youtube.com/jamesnelson
9	120	LinkedIn	www.linkedin.com/oliviamoore
10	120	TikTok	www.tiktok.com/oliviamoore
11	121	LinkedIn	www.linkedin.com/oliviawilliams
12	121	TikTok	www.tiktok.com/oliviawilliams
13	122	LinkedIn	www.linkedin.com/villianwalker
14	122	TikTok	www.tiktok.com/villianwalker
15	123	LinkedIn	www.linkedin.com/erawhite
16	123	TikTok	www.tiktok.com/erawhite
17	124	LinkedIn	www.linkedin.com/noahmartinez
18	124	TikTok	www.tiktok.com/noahmartinez
19	125	LinkedIn	www.linkedin.com/herperscott
20	125	TikTok	www.tiktok.com/herperscott
21	126	LinkedIn	www.linkedin.com/jacobmartinez
22	126	TikTok	www.tiktok.com/jacobmartinez
23	127	LinkedIn	www.linkedin.com/chloeturner
24	127	TikTok	www.tiktok.com/chloeturner
25	128	LinkedIn	www.linkedin.com/olivaschmidt
26	128	TikTok	www.tiktok.com/olivaschmidt
27	129	LinkedIn	www.linkedin.com/sophiafernandez...
28	129	TikTok	www.tiktok.com/sophiafernandez...
29	130	LinkedIn	www.linkedin.com/franklin...

Retrieves all records from the social_media table, displaying social media links or handles for users or properties.

user_language

```
-- Table `airbnb`.`user_language`  
DROP TABLE IF EXISTS `airbnb`.`user_language` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`user_language` (  
  `id` INT NOT NULL AUTO_INCREMENT COMMENT ,  
  `user_id` INT NOT NULL COMMENT ,  
  `language_id` INT NOT NULL COMMENT ,  
  PRIMARY KEY (`id`),  
  INDEX `user_id` (`user_id` ASC) VISIBLE,  
  INDEX `language_id_idx` (`language_id` ASC) VISIBLE,  
  CONSTRAINT `language_id`  
    FOREIGN KEY (`language_id`)  
    REFERENCES `airbnb`.`language` (`id`),  
  CONSTRAINT `user_language_ibfk_1`  
    FOREIGN KEY (`user_id`)  
    REFERENCES `airbnb`.`user` (`id`)  
    ON DELETE CASCADE  
    ON UPDATE CASCADE)  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```

CREATE TABLE



The screenshot shows a MySQL Workbench interface with a query editor and a result grid. The query editor contains the SQL code for creating the user_language table. The result grid displays 31 rows of data from the user_language table, with columns labeled 'Id', 'user_id', and 'language_id'. The data shows various user IDs linked to different language IDs, representing the languages they speak or prefer.

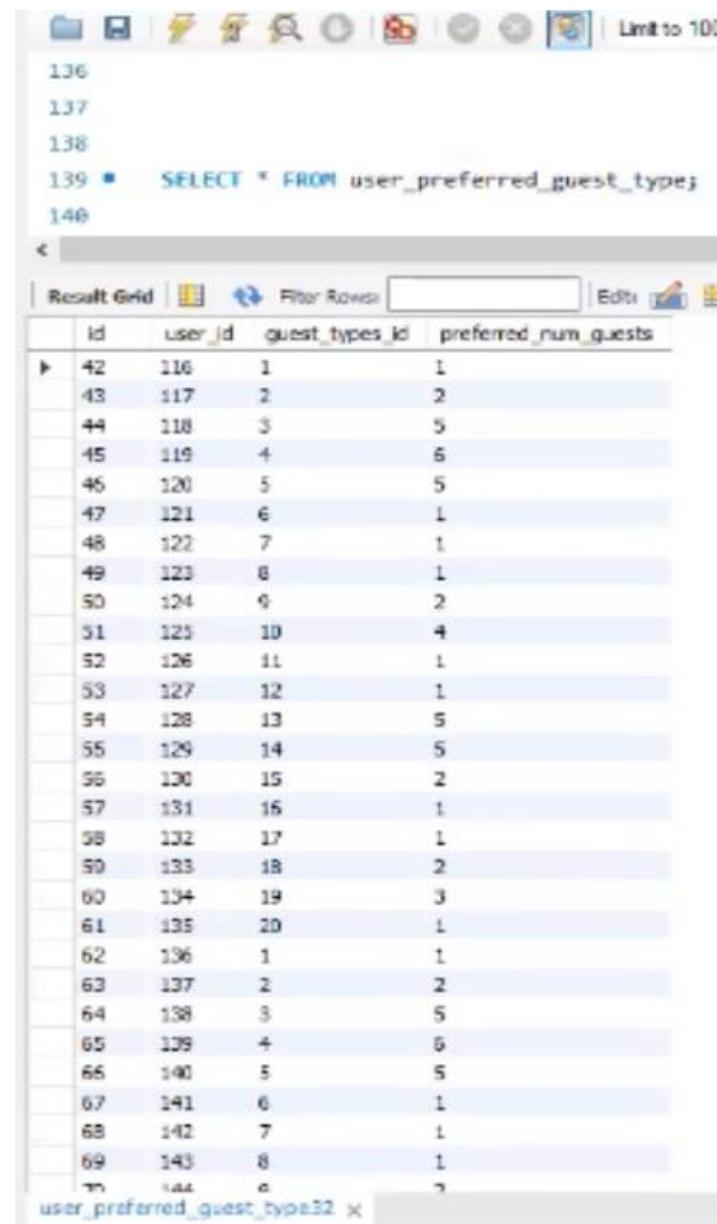
	Id	user_id	language_id
1	116	1	
2	116	2	
3	116	4	
4	117	1	
5	117	11	
6	117	12	
7	118	1	
8	118	18	
9	118	19	
10	119	1	
11	119	3	
12	119	5	
13	120	1	
14	120	13	
15	120	14	
16	121	1	
17	121	6	
18	121	7	
19	122	1	
20	122	15	
21	122	16	
22	123	1	
23	123	8	
24	123	9	
25	124	1	
26	124	17	
27	124	20	
28	125	1	
29	125	7	
30	125	1	
31	125	7	

Retrieves all records from the user_language table, displaying the linkage between users and the languages they speak or prefer.

user_preferred_guest_type

```
-- Table `airbnb`.`user_preferred_guest_type`  
-----  
DROP TABLE IF EXISTS `airbnb`.`user_preferred_guest_type` ;  
  
CREATE TABLE IF NOT EXISTS `airbnb`.`user_preferred_guest_type` (  
  `id` INT NOT NULL AUTO_INCREMENT COMMENT ,  
  `user_id` INT NOT NULL COMMENT ,  
  `guest_types_id` INT NOT NULL COMMENT ,  
  `preferred_num_guests` INT NULL DEFAULT NULL COMMENT ,  
  PRIMARY KEY (`id`),  
  INDEX `fk_user_preferred_guest_type_guest_demographics1_idx` (`guest_types_id` ASC) VISIBLE,  
  INDEX `fk_user_preferred_guest_type_user_account1_idx` (`user_id` ASC) VISIBLE,  
  CONSTRAINT `fk_user_preferred_guest_type_guest_demographics1`  
    FOREIGN KEY (`guest_types_id`)  
    REFERENCES `airbnb`.`guest_types` (`id`)  
    ON DELETE RESTRICT  
    ON UPDATE CASCADE,  
  CONSTRAINT `fk_user_preferred_guest_type_user_account1`  
    FOREIGN KEY (`user_id`)  
    REFERENCES `airbnb`.`user` (`id`)  
    ON DELETE CASCADE  
    ON UPDATE CASCADE)  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```

CREATE TABLE



The screenshot shows the MySQL Workbench interface with the 'user_preferred_guest_type' table selected. The table has four columns: Id, user_id, guest_types_id, and preferred_num_guests. The data consists of 144 rows, each representing a user's preference for a guest type. The 'user_id' column ranges from 116 to 144, the 'guest_types_id' column ranges from 1 to 7, and the 'preferred_num_guests' column ranges from 1 to 5.

	Id	user_id	guest_types_id	preferred_num_guests
▶	42	116	1	1
	43	117	2	2
	44	118	3	5
	45	119	4	6
	46	120	5	5
	47	121	6	1
	48	122	7	1
	49	123	8	1
	50	124	9	2
	51	125	10	4
	52	126	11	1
	53	127	12	1
	54	128	13	5
	55	129	14	5
	56	130	15	2
	57	131	16	1
	58	132	17	1
	59	133	18	2
	60	134	19	3
	61	135	20	1
	62	136	1	1
	63	137	2	2
	64	138	3	5
	65	139	4	5
	66	140	5	5
	67	141	6	1
	68	142	7	1
	69	143	8	1
▼	70	144	9	7

Retrieves all records from the user_preferred_guest_type table, displaying user preferences regarding the types of guests they prefer.

Schema Insertion

access_level

```
-- Insert data into access_level table
INSERT INTO `access_level` VALUES (1,'Admin');
INSERT INTO `access_level` VALUES (2,'Moderator');
INSERT INTO `access_level` VALUES (3,'User');
INSERT INTO `access_level` VALUES (4,'Guest');
INSERT INTO `access_level` VALUES (5,'Manager');
INSERT INTO `access_level` VALUES (6,'Editor');
INSERT INTO `access_level` VALUES (7,'Analyst');
INSERT INTO `access_level` VALUES (8,'Developer');
INSERT INTO `access_level` VALUES (9,'Tester');
INSERT INTO `access_level` VALUES (10,'Auditor');
INSERT INTO `access_level` VALUES (11,'Supervisor');
INSERT INTO `access_level` VALUES (12,'Coordinator');
INSERT INTO `access_level` VALUES (13,'Consultant');
INSERT INTO `access_level` VALUES (14,'Assistant');
INSERT INTO `access_level` VALUES (15,'Designer');
INSERT INTO `access_level` VALUES (16,'Agent');
INSERT INTO `access_level` VALUES (17,'Specialist');
INSERT INTO `access_level` VALUES (18,'Executive');
INSERT INTO `access_level` VALUES (19,'Investigator');
INSERT INTO `access_level` VALUES (20,'Operator');
```

access_level_operations

```
-- Insert data into access_level_operations table
INSERT INTO `access_level_operations` VALUES (1,1,1);
INSERT INTO `access_level_operations` VALUES (2,2,1);
INSERT INTO `access_level_operations` VALUES (3,3,2);
INSERT INTO `access_level_operations` VALUES (4,4,2);
INSERT INTO `access_level_operations` VALUES (5,5,3);
INSERT INTO `access_level_operations` VALUES (6,6,3);
INSERT INTO `access_level_operations` VALUES (7,7,4);
INSERT INTO `access_level_operations` VALUES (8,8,4);
INSERT INTO `access_level_operations` VALUES (9,9,5);
INSERT INTO `access_level_operations` VALUES (10,10,5);
INSERT INTO `access_level_operations` VALUES (11,11,5);
INSERT INTO `access_level_operations` VALUES (12,12,6);
INSERT INTO `access_level_operations` VALUES (13,13,6);
INSERT INTO `access_level_operations` VALUES (14,14,6);
INSERT INTO `access_level_operations` VALUES (15,15,7);
INSERT INTO `access_level_operations` VALUES (16,16,7);
INSERT INTO `access_level_operations` VALUES (17,17,8);
INSERT INTO `access_level_operations` VALUES (18,18,9);
INSERT INTO `access_level_operations` VALUES (19,19,10);
INSERT INTO `access_level_operations` VALUES (20,20,11);
INSERT INTO `access_level_operations` VALUES (21,21,12);
INSERT INTO `access_level_operations` VALUES (22,22,13);
INSERT INTO `access_level_operations` VALUES (23,23,14);
INSERT INTO `access_level_operations` VALUES (24,24,15);
INSERT INTO `access_level_operations` VALUES (25,25,16);
INSERT INTO `access_level_operations` VALUES (26,26,17);
INSERT INTO `access_level_operations` VALUES (27,27,18);
INSERT INTO `access_level_operations` VALUES (28,28,19);
INSERT INTO `access_level_operations` VALUES (29,28,20);
```

address

```
-- Insert data into address table
INSERT INTO `address` VALUES (30,11,11,'400020','321 Marine Drive','N/A');
INSERT INTO `address` VALUES (31,15,15,'06164','987 Gangnam-gu','N/A');
INSERT INTO `address` VALUES (32,24,24,'10310','101 Thamrin Street','N/A');
INSERT INTO `address` VALUES (33,3,3,'SW1W 9SJ','123 Buckingham Palace Road','Floor 3');
INSERT INTO `address` VALUES (34,3,3,'W1B 4HZ','987 Regent Street','N/A');
INSERT INTO `address` VALUES (35,20,20,'1160','567 Strøget Street','N/A');
INSERT INTO `address` VALUES (36,6,6,'75008','890 Avenue des Champs-Élysées','N/A');
INSERT INTO `address` VALUES (37,1,1,'94085','123 Main Street','Suite 100');
INSERT INTO `address` VALUES (38,1,1,'94085','456 Elm Avenue','Building A, Unit 101');
INSERT INTO `address` VALUES (39,4,4,'2000','987 George Street','Suite 500');
INSERT INTO `address` VALUES (40,2,2,'M5J 2T3','789 Bay Street','Floor 10, Suite 1001');
INSERT INTO `address` VALUES (41,9,9,'104-0061','234 Ginza Street','N/A');
INSERT INTO `address` VALUES (42,21,21,'238841','123 Orchard Road','N/A');
INSERT INTO `address` VALUES (43,12,12,'01310-100','456 Avenida Paulista','N/A');
INSERT INTO `address` VALUES (44,25,25,'2196','234 Sandton City','N/A');
INSERT INTO `address` VALUES (45,25,25,'2196','567 Rosebank Road','Building C, Unit 501');
INSERT INTO `address` VALUES (46,25,25,'2196','789 Midrand Avenue','Suite 1002');
INSERT INTO `address` VALUES (47,23,23,'10110','456 Sukhumvit Road','N/A');
INSERT INTO `address` VALUES (48,8,8,'08007','789 Passeig de Gràcia','N/A');
INSERT INTO `address` VALUES (49,22,22,'55100','789 Bukit Bintang Road','N/A');
INSERT INTO `address` VALUES (50,14,14,'125009','753 Tverskaya Street','Building 2, Apartment 5');
INSERT INTO `address` VALUES (51,17,17,'8001','456 Bahnhofstrasse','N/A');
INSERT INTO `address` VALUES (52,17,17,'8050','789 Oerlikon Road','N/A');
INSERT INTO `address` VALUES (53,5,5,'80331','345 Marienplatz','Building 2, Floor 3');
INSERT INTO `address` VALUES (54,5,5,'80331','567 Sendlinger Strasse','N/A');
INSERT INTO `address` VALUES (55,5,5,'80331','789 Odeonsplatz','Unit 201');
INSERT INTO `address` VALUES (56,18,18,'111 43','987 Drottninggatan','N/A');
INSERT INTO `address` VALUES (57,7,7,'00186','456 Via del Corso','N/A');
INSERT INTO `address` VALUES (58,16,16,'1012JS','123 Dam Square','N/A');
```

admin

```
-- Insert data into admin table
INSERT INTO `admin` VALUES (1,116,3);
INSERT INTO `admin` VALUES (2,116,4);
INSERT INTO `admin` VALUES (3,116,5);
INSERT INTO `admin` VALUES (4,116,20);
INSERT INTO `admin` VALUES (5,117,3);
INSERT INTO `admin` VALUES (6,117,4);
INSERT INTO `admin` VALUES (7,117,5);
INSERT INTO `admin` VALUES (8,118,3);
INSERT INTO `admin` VALUES (9,118,4);
INSERT INTO `admin` VALUES (10,118,11);
INSERT INTO `admin` VALUES (11,119,3);
INSERT INTO `admin` VALUES (12,119,4);
INSERT INTO `admin` VALUES (13,119,5);
INSERT INTO `admin` VALUES (14,120,3);
INSERT INTO `admin` VALUES (15,120,4);
INSERT INTO `admin` VALUES (16,120,5);
INSERT INTO `admin` VALUES (17,121,3);
INSERT INTO `admin` VALUES (18,121,4);
INSERT INTO `admin` VALUES (19,121,5);
INSERT INTO `admin` VALUES (20,122,3);
INSERT INTO `admin` VALUES (21,122,4);
INSERT INTO `admin` VALUES (22,122,5);
INSERT INTO `admin` VALUES (23,123,3);
INSERT INTO `admin` VALUES (24,123,4);
INSERT INTO `admin` VALUES (25,123,5);
INSERT INTO `admin` VALUES (26,124,3);
INSERT INTO `admin` VALUES (27,124,4);
INSERT INTO `admin` VALUES (28,124,5);
INSERT INTO `admin` VALUES (29,125,3);
INSERT INTO `admin` VALUES (30,125,4);
INSERT INTO `admin` VALUES (31,125,5);
INSERT INTO `admin` VALUES (32,126,3);
INSERT INTO `admin` VALUES (33,126,4);
INSERT INTO `admin` VALUES (34,126,5);
INSERT INTO `admin` VALUES (35,127,3);
INSERT INTO `admin` VALUES (36,127,4);
INSERT INTO `admin` VALUES (37,127,15);



INSERT INTO `admin` VALUES (38,128,3);
INSERT INTO `admin` VALUES (39,128,4);
INSERT INTO `admin` VALUES (40,128,1);
INSERT INTO `admin` VALUES (41,129,3);
INSERT INTO `admin` VALUES (42,129,4);
INSERT INTO `admin` VALUES (43,129,1);
INSERT INTO `admin` VALUES (44,129,11);
INSERT INTO `admin` VALUES (45,130,3);
INSERT INTO `admin` VALUES (46,130,4);
INSERT INTO `admin` VALUES (47,130,1);
INSERT INTO `admin` VALUES (48,130,12);
INSERT INTO `admin` VALUES (49,131,3);
INSERT INTO `admin` VALUES (50,131,4);
INSERT INTO `admin` VALUES (51,131,13);
INSERT INTO `admin` VALUES (52,132,3);
INSERT INTO `admin` VALUES (53,132,4);
INSERT INTO `admin` VALUES (54,132,5);
INSERT INTO `admin` VALUES (55,133,3);
INSERT INTO `admin` VALUES (56,133,4);
INSERT INTO `admin` VALUES (57,133,14);
INSERT INTO `admin` VALUES (58,134,3);
INSERT INTO `admin` VALUES (59,134,4);
INSERT INTO `admin` VALUES (60,134,16);
INSERT INTO `admin` VALUES (61,135,3);
INSERT INTO `admin` VALUES (62,135,4);
INSERT INTO `admin` VALUES (63,135,17);
INSERT INTO `admin` VALUES (64,136,3);
INSERT INTO `admin` VALUES (65,136,4);
INSERT INTO `admin` VALUES (66,136,18);
INSERT INTO `admin` VALUES (67,136,10);
INSERT INTO `admin` VALUES (68,137,3);
INSERT INTO `admin` VALUES (69,137,4);
INSERT INTO `admin` VALUES (70,137,9);
INSERT INTO `admin` VALUES (71,137,7);
INSERT INTO `admin` VALUES (72,138,3);
INSERT INTO `admin` VALUES (73,138,4);
INSERT INTO `admin` VALUES (74,138,5);
INSERT INTO `admin` VALUES (75,138,11);
INSERT INTO `admin` VALUES (76,139,3);
INSERT INTO `admin` VALUES (77,139,4);
INSERT INTO `admin` VALUES (78,139,8);



INSERT INTO `admin` VALUES (79,140,3);
INSERT INTO `admin` VALUES (80,140,4);
INSERT INTO `admin` VALUES (81,140,6);
INSERT INTO `admin` VALUES (82,140,16);
INSERT INTO `admin` VALUES (83,141,3);
INSERT INTO `admin` VALUES (84,141,4);
INSERT INTO `admin` VALUES (85,141,1);
INSERT INTO `admin` VALUES (86,142,3);
INSERT INTO `admin` VALUES (87,142,4);
INSERT INTO `admin` VALUES (88,142,1);
INSERT INTO `admin` VALUES (89,142,20);
INSERT INTO `admin` VALUES (90,143,3);
INSERT INTO `admin` VALUES (91,143,4);
INSERT INTO `admin` VALUES (92,143,1);
INSERT INTO `admin` VALUES (93,143,12);
INSERT INTO `admin` VALUES (94,144,3);
INSERT INTO `admin` VALUES (95,144,4);
INSERT INTO `admin` VALUES (96,144,19);
INSERT INTO `admin` VALUES (97,144,9);
INSERT INTO `admin` VALUES (98,145,3);
INSERT INTO `admin` VALUES (99,145,4);
INSERT INTO `admin` VALUES (100,145,11);
INSERT INTO `admin` VALUES (101,145,6);
INSERT INTO `admin` VALUES (102,146,3);
INSERT INTO `admin` VALUES (103,146,4);
INSERT INTO `admin` VALUES (104,146,11);
INSERT INTO `admin` VALUES (105,146,7);
INSERT INTO `admin` VALUES (106,147,3);
INSERT INTO `admin` VALUES (107,147,4);
INSERT INTO `admin` VALUES (108,147,9);
INSERT INTO `admin` VALUES (109,147,8);
INSERT INTO `admin` VALUES (110,148,3);
INSERT INTO `admin` VALUES (111,148,4);
INSERT INTO `admin` VALUES (112,148,11);
INSERT INTO `admin` VALUES (113,148,8);
INSERT INTO `admin` VALUES (114,149,3);
INSERT INTO `admin` VALUES (115,149,4);
INSERT INTO `admin` VALUES (116,149,11);
INSERT INTO `admin` VALUES (117,149,6);
INSERT INTO `admin` VALUES (118,150,3);
INSERT INTO `admin` VALUES (119,150,4);



INSERT INTO `admin` VALUES (120,150,20);
INSERT INTO `admin` VALUES (121,150,14);
INSERT INTO `admin` VALUES (122,151,3);
INSERT INTO `admin` VALUES (123,151,4);
INSERT INTO `admin` VALUES (124,151,11);
INSERT INTO `admin` VALUES (125,152,3);
INSERT INTO `admin` VALUES (126,152,4);
INSERT INTO `admin` VALUES (127,152,19);
INSERT INTO `admin` VALUES (128,153,3);
INSERT INTO `admin` VALUES (129,153,4);
INSERT INTO `admin` VALUES (130,153,5);
INSERT INTO `admin` VALUES (131,154,3);
INSERT INTO `admin` VALUES (132,154,4);
INSERT INTO `admin` VALUES (133,154,5);
INSERT INTO `admin` VALUES (134,155,3);
INSERT INTO `admin` VALUES (135,155,4);
INSERT INTO `admin` VALUES (136,155,1);
INSERT INTO `admin` VALUES (137,156,3);
INSERT INTO `admin` VALUES (138,156,4);
INSERT INTO `admin` VALUES (139,156,5);
```

allowed_operations

```
-- Insert data into allowed_operations table
INSERT INTO `allowed_operations` VALUES (1,'CRUD','Allows full access to create, read, update, and delete operations across all system functionalities and settings.');
INSERT INTO `allowed_operations` VALUES (2,'Manage Users','Allows the admin to manage user accounts, permissions, and roles within the system.');
INSERT INTO `allowed_operations` VALUES (3,'Moderate Content','Allows the moderator to review, approve, or reject user-generated content to ensure quality and compliance.');
INSERT INTO `allowed_operations` VALUES (4,'Report Violations','Allows the moderator to report and handle violations or inappropriate content according to platform guidelines.');
INSERT INTO `allowed_operations` VALUES (5,'View Content','Allows users to view or access content and functionalities within the system.');
INSERT INTO `allowed_operations` VALUES (6,'Update Profile','Allows users to update their profile information and settings.');
INSERT INTO `allowed_operations` VALUES (7,'Browse','Allows guests to browse content and view information without requiring account login.');
INSERT INTO `allowed_operations` VALUES (8,'Search Listings','Allows guests to search and view listings or available items/services.');
INSERT INTO `allowed_operations` VALUES (9,'Manage Teams','Allows the manager to create, modify, or delete teams and assign tasks within the team.');
INSERT INTO `allowed_operations` VALUES (10,'Generate Reports','Allows the manager to generate and analyze reports for performance tracking and decision-making.');
INSERT INTO `allowed_operations` VALUES (11,'Approve Requests','Allows the manager to approve or deny requests from team members or other users.');
INSERT INTO `allowed_operations` VALUES (12,'Edit Content','Allows the editor to create, edit, and publish content such as articles, posts, or documents.');
INSERT INTO `allowed_operations` VALUES (13,'Review Edits','Allows the editor to review and approve edits made by other users before publication.');
INSERT INTO `allowed_operations` VALUES (14,'Manage Drafts','Allows the editor to manage drafts and content in progress.');
INSERT INTO `allowed_operations` VALUES (15,'Analyze Data','Allows the analyst to analyze and interpret data using data analysis tools and techniques.');
INSERT INTO `allowed_operations` VALUES (16,'Generate Insights','Allows the analyst to generate insights and recommendations based on data analysis.');
INSERT INTO `allowed_operations` VALUES (17,'Develop Features','Allows the developer to create, test, and implement new features or functionalities within the system.');
INSERT INTO `allowed_operations` VALUES (18,'Test Functionality','Allows the tester to perform testing operations to ensure functionality, usability, and quality of the system.');
INSERT INTO `allowed_operations` VALUES (19,'Supervise Projects','Allows the supervisor to oversee and manage specific projects, tasks, or teams within the system.');
INSERT INTO `allowed_operations` VALUES (20,'Coordinate Tasks','Allows the coordinator to assign, track, and manage tasks or activities within the system.');
INSERT INTO `allowed_operations` VALUES (21,'Consult Clients','Allows the consultant to provide consultation, advice, or support to clients or users within the system.');
INSERT INTO `allowed_operations` VALUES (22,'Manage Calendar','Allows the assistant to manage calendars, schedules, or appointments.');
INSERT INTO `allowed_operations` VALUES (23,'Design Interfaces','Allows the designer to create, design, and customize user interfaces or visual elements within the system.');
INSERT INTO `allowed_operations` VALUES (24,'Manage Clients','Allows the agent to manage client relationships, communications, and interactions within the system.');
INSERT INTO `allowed_operations` VALUES (25,'Specialized Tasks','Allows the specialist to perform specialized tasks or operations within the system.');
INSERT INTO `allowed_operations` VALUES (26,'Executive Decisions','Allows the executive to make decisions, review reports, and oversee strategic initiatives within the system.');
INSERT INTO `allowed_operations` VALUES (27,'Investigate Incidents','Allows the investigator to investigate and analyze incidents, issues, or data within the system.');
INSERT INTO `allowed_operations` VALUES (28,'Operate Systems','Allows the operator to perform operational tasks and manage system operations.');
...  
...
```

amenity

```
INSERT INTO `amenity` VALUES (1,1,'High-Speed WiFi','High-speed internet access for seamless browsing and streaming.');
INSERT INTO `amenity` VALUES (2,2,'Central Air Conditioning','Central air conditioning system for optimal climate control.');
INSERT INTO `amenity` VALUES (3,3,'Central Heating','Central heating system to keep the space comfortably warm.');
INSERT INTO `amenity` VALUES (4,4,'Fully Equipped Kitchen','Kitchen equipped with modern appliances and cookware for meal preparation.');
INSERT INTO `amenity` VALUES (5,5,'Free Parking','Complimentary parking available on the premises.');
INSERT INTO `amenity` VALUES (6,6,'Private Pool','Private pool for exclusive use by guests.');
INSERT INTO `amenity` VALUES (7,7,'Hot Tub','Relaxing hot tub for guests to unwind and rejuvenate.');
INSERT INTO `amenity` VALUES (8,8,'Fitness Center','On-site fitness center equipped with exercise machines.');
INSERT INTO `amenity` VALUES (9,9,'Continental Breakfast','Complimentary continental breakfast served daily.');
INSERT INTO `amenity` VALUES (10,10,'Pet-Friendly Accommodations','Pet-friendly accommodations allowing guests to bring their pets.');
INSERT INTO `amenity` VALUES (11,11,'Smoking Allowed','Designated areas where smoking is permitted.');
INSERT INTO `amenity` VALUES (12,12,'Essential Amenities','Basic amenities such as towels, bed sheets, soap, and toilet paper provided.');
INSERT INTO `amenity` VALUES (13,13,'Hair Dryer','Hair dryer available for guest use.');
INSERT INTO `amenity` VALUES (14,14,'Washing Machine','Washing machine provided for guest laundry needs.');
INSERT INTO `amenity` VALUES (15,15,'Dryer','Dryer available for guest use.');
INSERT INTO `amenity` VALUES (16,16,'Smart TV','Smart TV with streaming capabilities for entertainment.');
INSERT INTO `amenity` VALUES (17,17,'Cable TV','Cable television channels available for guest viewing.');
INSERT INTO `amenity` VALUES (18,18,'Fireplace','Cozy fireplace for warmth and ambiance.');
INSERT INTO `amenity` VALUES (19,19,'Elevator','Elevator access for convenience and accessibility.');
INSERT INTO `amenity` VALUES (20,20,'Outdoor Grill','Outdoor grill for barbecue and outdoor cooking.');
INSERT INTO `amenity` VALUES (21,1,'Private Balcony','Private balcony with scenic views.');
INSERT INTO `amenity` VALUES (22,2,'Ceiling Fans','Ceiling fans for added comfort and air circulation.');
INSERT INTO `amenity` VALUES (23,3,'Radiant Floor Heating','Radiant floor heating for cozy floors.');
INSERT INTO `amenity` VALUES (24,4,'Dishwasher','Dishwasher for easy cleanup after meals.');
INSERT INTO `amenity` VALUES (25,5,'Valet Parking','Valet parking services for guest vehicles.');
```

amenity_category

```
INSERT INTO `amenity_category` VALUES (1,'WiFi');
INSERT INTO `amenity_category` VALUES (2,'Air Conditioning');
INSERT INTO `amenity_category` VALUES (3,'Heating');
INSERT INTO `amenity_category` VALUES (4,'Kitchen');
INSERT INTO `amenity_category` VALUES (5,'Free Parking on Premises');
INSERT INTO `amenity_category` VALUES (6,'Pool');
INSERT INTO `amenity_category` VALUES (7,'Hot Tub');
INSERT INTO `amenity_category` VALUES (8,'Gym');
INSERT INTO `amenity_category` VALUES (9,'Breakfast');
INSERT INTO `amenity_category` VALUES (10,'Pet Friendly');
INSERT INTO `amenity_category` VALUES (11,'Smoking Allowed');
INSERT INTO `amenity_category` VALUES (12,'Essentials (Towels, Bed Sheets, Soap, Toilet Paper)');
INSERT INTO `amenity_category` VALUES (13,'Hair Dryer');
INSERT INTO `amenity_category` VALUES (14,'Washer');
INSERT INTO `amenity_category` VALUES (15,'Dryer');
INSERT INTO `amenity_category` VALUES (16,'TV');
INSERT INTO `amenity_category` VALUES (17,'Cable TV');
INSERT INTO `amenity_category` VALUES (18,'Fireplace');
INSERT INTO `amenity_category` VALUES (19,'Elevator');
INSERT INTO `amenity_category` VALUES (20,'Indoor Fireplace');
```

country

```
INSERT INTO `country` VALUES (1,'United States','US');
INSERT INTO `country` VALUES (2,'Canada','CA');
INSERT INTO `country` VALUES (3,'United Kingdom','UK');
INSERT INTO `country` VALUES (4,'Australia','AU');
INSERT INTO `country` VALUES (5,'Germany','DE');
INSERT INTO `country` VALUES (6,'France','FR');
INSERT INTO `country` VALUES (7,'Italy','IT');
INSERT INTO `country` VALUES (8,'Spain','ES');
INSERT INTO `country` VALUES (9,'Japan','JP');
INSERT INTO `country` VALUES (10,'China','CN');
INSERT INTO `country` VALUES (11,'India','IN');
INSERT INTO `country` VALUES (12,'Brazil','BR');
INSERT INTO `country` VALUES (13,'Mexico','MX');
INSERT INTO `country` VALUES (14,'Russia','RU');
INSERT INTO `country` VALUES (15,'South Korea','KR');
INSERT INTO `country` VALUES (16,'Netherlands','NL');
INSERT INTO `country` VALUES (17,'Switzerland','CH');
INSERT INTO `country` VALUES (18,'Sweden','SE');
INSERT INTO `country` VALUES (19,'Norway','NO');
INSERT INTO `country` VALUES (20,'Denmark','DK');
INSERT INTO `country` VALUES (21,'Singapore','SG');
INSERT INTO `country` VALUES (22,'Malaysia','MY');
INSERT INTO `country` VALUES (23,'Thailand','TH');
INSERT INTO `country` VALUES (24,'Indonesia','ID');
INSERT INTO `country` VALUES (25,'South Africa','ZA');
```

district

```
INSERT INTO `district` VALUES (1,1,'Silicon Valley',9,8,3000000);
INSERT INTO `district` VALUES (2,2,'Greater Toronto Area',7,9,6000000);
INSERT INTO `district` VALUES (3,3,'Greater London',8,7,8000000);
INSERT INTO `district` VALUES (4,4,'Greater Sydney',7,8,5000000);
INSERT INTO `district` VALUES (5,5,'Munich Metropolitan Region',8,8,3000000);
INSERT INTO `district` VALUES (6,6,'Greater Paris',9,7,12000000);
INSERT INTO `district` VALUES (7,7,'Rome Metropolitan Area',7,8,4000000);
INSERT INTO `district` VALUES (8,8,'Barcelona Metropolitan Area',8,9,5000000);
INSERT INTO `district` VALUES (9,9,'Greater Tokyo',9,8,14000000);
INSERT INTO `district` VALUES (10,10,'Beijing Metropolitan Area',8,7,20000000);
INSERT INTO `district` VALUES (11,11,'Mumbai Metropolitan Region',7,8,18000000);
INSERT INTO `district` VALUES (12,12,'São Paulo Metropolitan Region',8,9,20000000);
INSERT INTO `district` VALUES (13,13,'Mexico City Metropolitan Area',7,8,12000000);
INSERT INTO `district` VALUES (14,14,'Moscow Metropolitan Area',8,7,22000000);
INSERT INTO `district` VALUES (15,15,'Seoul Metropolitan Area',9,8,17000000);
INSERT INTO `district` VALUES (16,16,'Randstad',8,8,25000000);
INSERT INTO `district` VALUES (17,17,'Zurich Metropolitan Area',9,9,8000000);
INSERT INTO `district` VALUES (18,18,'Stockholm Metropolitan Area',7,9,2000000);
INSERT INTO `district` VALUES (19,19,'Oslo Metropolitan Area',8,8,2000000);
INSERT INTO `district` VALUES (20,20,'Copenhagen Metropolitan Area',9,9,1000000);
INSERT INTO `district` VALUES (21,21,'Central Area',8,8,2000000);
INSERT INTO `district` VALUES (22,22,'Kuala Lumpur Metropolitan Area',7,7,1000000);
INSERT INTO `district` VALUES (23,23,'Bangkok Metropolitan Region',8,8,8000000);
INSERT INTO `district` VALUES (24,24,'Jakarta Metropolitan Area',7,7,1000000);
INSERT INTO `district` VALUES (25,25,'Gauteng City-Region',8,9,3000000);
```

guest

```
INSERT INTO `guest` VALUES (1,116,1);
INSERT INTO `guest` VALUES (2,117,1);
INSERT INTO `guest` VALUES (3,118,1);
INSERT INTO `guest` VALUES (4,119,2);
INSERT INTO `guest` VALUES (5,120,2);
INSERT INTO `guest` VALUES (6,121,2);
INSERT INTO `guest` VALUES (7,122,3);
INSERT INTO `guest` VALUES (8,123,3);
INSERT INTO `guest` VALUES (9,124,4);
INSERT INTO `guest` VALUES (10,125,4);
INSERT INTO `guest` VALUES (11,126,5);
INSERT INTO `guest` VALUES (12,127,5);
INSERT INTO `guest` VALUES (13,128,6);
INSERT INTO `guest` VALUES (14,129,6);
INSERT INTO `guest` VALUES (15,130,7);
INSERT INTO `guest` VALUES (16,131,7);
INSERT INTO `guest` VALUES (17,132,8);
INSERT INTO `guest` VALUES (18,133,8);
INSERT INTO `guest` VALUES (19,134,9);
INSERT INTO `guest` VALUES (20,135,9);
INSERT INTO `guest` VALUES (21,136,10);
INSERT INTO `guest` VALUES (22,137,10);
INSERT INTO `guest` VALUES (23,138,11);
INSERT INTO `guest` VALUES (24,139,11);
INSERT INTO `guest` VALUES (25,140,12);
INSERT INTO `guest` VALUES (26,141,12);
INSERT INTO `guest` VALUES (27,142,13);
INSERT INTO `guest` VALUES (28,143,13);
INSERT INTO `guest` VALUES (29,144,14);
INSERT INTO `guest` VALUES (30,145,14);
INSERT INTO `guest` VALUES (31,146,15);
INSERT INTO `guest` VALUES (32,147,15);
INSERT INTO `guest` VALUES (33,148,16);
INSERT INTO `guest` VALUES (34,149,16);
INSERT INTO `guest` VALUES (35,150,17);
INSERT INTO `guest` VALUES (36,151,17);
INSERT INTO `guest` VALUES (37,152,18);
INSERT INTO `guest` VALUES (38,153,18);
INSERT INTO `guest` VALUES (39,154,19);
INSERT INTO `guest` VALUES (40,155,19);
INSERT INTO `guest` VALUES (41,156,20);
```

guest_reservations

```
INSERT INTO `guest_reservations` VALUES (1,1,1,1);
INSERT INTO `guest_reservations` VALUES (2,2,2,2);
INSERT INTO `guest_reservations` VALUES (3,3,3,3);
INSERT INTO `guest_reservations` VALUES (4,4,4,4);
INSERT INTO `guest_reservations` VALUES (5,5,5,4);
INSERT INTO `guest_reservations` VALUES (6,6,6,2);
INSERT INTO `guest_reservations` VALUES (7,7,7,1);
INSERT INTO `guest_reservations` VALUES (8,8,8,1);
INSERT INTO `guest_reservations` VALUES (9,9,9,2);
INSERT INTO `guest_reservations` VALUES (10,10,10,2);
INSERT INTO `guest_reservations` VALUES (11,11,11,1);
INSERT INTO `guest_reservations` VALUES (12,12,12,1);
INSERT INTO `guest_reservations` VALUES (13,13,13,2);
INSERT INTO `guest_reservations` VALUES (14,14,14,3);
INSERT INTO `guest_reservations` VALUES (15,15,15,3);
INSERT INTO `guest_reservations` VALUES (16,16,16,1);
INSERT INTO `guest_reservations` VALUES (17,17,17,2);
INSERT INTO `guest_reservations` VALUES (18,18,18,2);
INSERT INTO `guest_reservations` VALUES (19,19,19,2);
INSERT INTO `guest_reservations` VALUES (20,20,20,1);
INSERT INTO `guest_reservations` VALUES (21,21,1,1);
INSERT INTO `guest_reservations` VALUES (22,22,2,2);
INSERT INTO `guest_reservations` VALUES (23,23,3,4);
INSERT INTO `guest_reservations` VALUES (24,24,4,6);
INSERT INTO `guest_reservations` VALUES (25,3,5,5);
INSERT INTO `guest_reservations` VALUES (26,23,6,1);
```

guest_types

```
INSERT INTO `guest_types` VALUES (1,'Solo traveler');
INSERT INTO `guest_types` VALUES (2,'Couple');
INSERT INTO `guest_types` VALUES (3,'Family with young children');
INSERT INTO `guest_types` VALUES (4,'Family with teenagers');
INSERT INTO `guest_types` VALUES (5,'Group of friends');
INSERT INTO `guest_types` VALUES (6,'Business traveler');
INSERT INTO `guest_types` VALUES (7,'Backpacker');
INSERT INTO `guest_types` VALUES (8,'Adventurer');
INSERT INTO `guest_types` VALUES (9,'Honeymooner');
INSERT INTO `guest_types` VALUES (10,'Retiree');
INSERT INTO `guest_types` VALUES (11,'Academic visitor');
INSERT INTO `guest_types` VALUES (12,'Medical tourist');
INSERT INTO `guest_types` VALUES (13,'Sports enthusiast');
INSERT INTO `guest_types` VALUES (14,'Art and culture aficionado');
INSERT INTO `guest_types` VALUES (15,'Food and wine lover');
INSERT INTO `guest_types` VALUES (16,'Eco-conscious traveler');
INSERT INTO `guest_types` VALUES (17,'Luxury seeker');
INSERT INTO `guest_types` VALUES (18,'Budget-conscious traveler');
INSERT INTO `guest_types` VALUES (19,'Pet owner');
INSERT INTO `guest_types` VALUES (20,'Digital nomad');
```

host

```
INSERT INTO `host` VALUES (1,116,'2024-01-01',1);
INSERT INTO `host` VALUES (2,117,'2024-02-15',0);
INSERT INTO `host` VALUES (3,118,'2024-03-20',1);
INSERT INTO `host` VALUES (4,119,'2024-04-05',0);
INSERT INTO `host` VALUES (5,120,'2024-05-10',0);
INSERT INTO `host` VALUES (6,121,'2024-06-20',0);
INSERT INTO `host` VALUES (7,122,'2024-07-30',1);
INSERT INTO `host` VALUES (8,123,'2024-08-15',1);
INSERT INTO `host` VALUES (9,124,'2024-09-25',0);
INSERT INTO `host` VALUES (10,125,'2024-10-10',0);
INSERT INTO `host` VALUES (11,126,'2024-11-20',1);
INSERT INTO `host` VALUES (12,127,'2024-12-25',0);
INSERT INTO `host` VALUES (13,132,'2024-01-05',1);
INSERT INTO `host` VALUES (14,136,'2024-02-20',1);
INSERT INTO `host` VALUES (15,138,'2024-03-25',0);
INSERT INTO `host` VALUES (16,141,'2024-04-10',1);
INSERT INTO `host` VALUES (17,142,'2024-05-15',0);
INSERT INTO `host` VALUES (18,143,'2024-06-25',0);
INSERT INTO `host` VALUES (19,145,'2024-07-10',1);
INSERT INTO `host` VALUES (20,146,'2024-08-15',0);
INSERT INTO `host` VALUES (21,148,'2024-09-20',0);
INSERT INTO `host` VALUES (22,149,'2024-10-05',1);
INSERT INTO `host` VALUES (23,151,'2024-12-15',0);
INSERT INTO `host` VALUES (24,153,'2024-01-20',1);
INSERT INTO `host` VALUES (25,154,'2024-02-25',0);
INSERT INTO `host` VALUES (26,156,'2024-04-01',0);
```

language

```
INSERT INTO `language` VALUES (1,'English');
INSERT INTO `language` VALUES (2,'Spanish');
INSERT INTO `language` VALUES (3,'French');
INSERT INTO `language` VALUES (4,'German');
INSERT INTO `language` VALUES (5,'Chinese');
INSERT INTO `language` VALUES (6,'Japanese');
INSERT INTO `language` VALUES (7,'Russian');
INSERT INTO `language` VALUES (8,'Portuguese');
INSERT INTO `language` VALUES (9,'Arabic');
INSERT INTO `language` VALUES (10,'Hindi');
INSERT INTO `language` VALUES (11,'Bengali');
INSERT INTO `language` VALUES (12,'Punjabi');
INSERT INTO `language` VALUES (13,'Urdu');
INSERT INTO `language` VALUES (14,'Italian');
INSERT INTO `language` VALUES (15,'Dutch');
INSERT INTO `language` VALUES (16,'Korean');
INSERT INTO `language` VALUES (17,'Turkish');
INSERT INTO `language` VALUES (18,'Polish');
INSERT INTO `language` VALUES (19,'Vietnamese');
INSERT INTO `language` VALUES (20,'Zulu');
```

messages

```
INSERT INTO `messages` VALUES (1,128,116,'Hi, I'm interested in booking your property. Can you tell me if it's available next week?', '2024-04-01 07:15:17');
INSERT INTO `messages` VALUES (2,129,117,'Hello, I'd like to inquire about your property. Can you provide more details?', '2024-04-02 07:16:52');
INSERT INTO `messages` VALUES (3,130,118,'Good day, I'm looking to make a reservation. When is your property available?', '2024-04-03 08:29:47');
INSERT INTO `messages` VALUES (4,131,119,'Hi, I'm interested in staying at your place. Can you let me know the rates?', '2024-04-04 08:32:14');
INSERT INTO `messages` VALUES (5,133,120,'Hello, I'm considering booking your property. Can you share more information about the amenities?', '2024-04-05 09:40:12');
INSERT INTO `messages` VALUES (6,134,121,'Hi, I'm planning a trip and your property looks great. Is it available on these dates?', '2024-04-06 09:42:49');
INSERT INTO `messages` VALUES (7,135,122,'Good afternoon, I'm interested in your property. Could you confirm if pets are allowed?', '2024-04-07 10:55:27');
INSERT INTO `messages` VALUES (8,137,123,'Hello, I'm looking to make a reservation. Can you provide more information about the check-in process?', '2024-04-08 11:45:18');
INSERT INTO `messages` VALUES (9,139,124,'Hi there, I'm considering booking your property. Are there any special offers available?', '2024-04-09 12:27:59');
INSERT INTO `messages` VALUES (10,140,125,'Hello, I'm interested in staying at your place. Can you provide details about nearby attractions?', '2024-04-10 12:58:33');
INSERT INTO `messages` VALUES (11,144,126,'Good evening, I'm looking to book your property for an upcoming event. Can you assist with availability?', '2024-04-11 13:35:49');
INSERT INTO `messages` VALUES (12,147,127,'Hello, I'm interested in your property. Could you share more about the amenities and nearby restaurants?', '2024-04-12 14:20:07');
INSERT INTO `messages` VALUES (13,152,132,'Hi, I'm planning a trip and your property caught my eye. Can you provide details about the check-out process?', '2024-04-13 15:05:14');
INSERT INTO `messages` VALUES (14,155,136,'Good evening, I'm considering booking your property. Can you let me know if it's available for the weekend?', '2024-04-14 15:40:21');
INSERT INTO `messages` VALUES (15,128,138,'Hi, I'm interested in booking your property. Can you provide information about parking availability?', '2024-04-15 16:25:33');
INSERT INTO `messages` VALUES (16,129,139,'Hello, I'm considering your property for an upcoming trip. Can you confirm the number of bedrooms?', '2024-04-16 17:10:45');
INSERT INTO `messages` VALUES (17,130,141,'Good evening, I'm looking to book your property. Can you share details about nearby transportation options?', '2024-04-17 17:55:58');
INSERT INTO `messages` VALUES (18,131,142,'Hello, I'm interested in staying at your place. Can you provide information about the kitchen facilities?', '2024-04-18 18:40:17');
INSERT INTO `messages` VALUES (19,133,143,'Hi, I'm planning a trip and your property looks perfect. Can you confirm if there's Wi-Fi available?', '2024-04-19 19:25:29');
INSERT INTO `messages` VALUES (20,134,145,'Hello, I'm considering your property. Can you let me know if it's child-friendly?', '2024-04-20 20:10:42');
INSERT INTO `messages` VALUES (21,135,146,'Hi, I'm interested in staying at your place. Can you provide details about the nearby shopping options?', '2024-04-21 20:55:54');
INSERT INTO `messages` VALUES (22,137,148,'Hello, I'm looking to book your property. Can you provide information about early check-in options?', '2024-04-21 22:00:01');
INSERT INTO `messages` VALUES (23,139,149,'Good morning, I'm considering your property for a short stay. Can you confirm the distance to the nearest beach?', '2024-04-22 23:05:10');
INSERT INTO `messages` VALUES (24,140,151,'Hello, I'm interested in staying at your place. Can you provide details about pet policies?', '2024-04-24 00:10:25');
INSERT INTO `messages` VALUES (25,144,153,'Hi, I'm planning a trip and your property caught my eye. Can you provide information about the gym facilities?', '2024-04-25 01:15:37');
INSERT INTO `messages` VALUES (26,147,154,'Hello, I'm interested in booking your property. Can you share information about nearby hiking trails?', '2024-04-26 02:20:46');
INSERT INTO `messages` VALUES (27,152,156,'Hi, I'm planning a trip and your property looks great. Can you provide details about the security measures?', '2024-04-27 03:25:55');
```

payment

```
INSERT INTO `payment` VALUES (1,1,5,'PayPal','2024-04-20',15.75,200.50,25.00,50.00,291.25,0.00,'2024-04-22 10:30:15','2024-04-19 14:20:18');
INSERT INTO `payment` VALUES (2,2,2,'Credit Card','2024-04-20',12.50,180.75,20.00,45.00,252.25,15.00,'2024-04-22 11:45:25','2024-04-19 15:30:20');
INSERT INTO `payment` VALUES (3,3,7,'Bank Transfer','2024-04-20',18.00,250.00,30.00,60.00,358.00,0.00,'2024-04-22 12:40:35','2024-04-19 16:45:22');
INSERT INTO `payment` VALUES (4,4,NULL,'PayPal','2024-04-20',10.25,150.25,15.00,40.00,215.50,0.00,'2024-04-22 13:55:40','2024-04-19 17:55:35');
INSERT INTO `payment` VALUES (5,5,9,'Credit Card','2024-04-20',14.50,220.00,22.50,55.00,312.00,5.00,'2024-04-22 14:25:55','2024-04-19 18:30:45');
INSERT INTO `payment` VALUES (6,6,6,'Bank Transfer','2024-04-20',16.75,280.75,35.00,70.00,402.50,25.00,'2024-04-22 15:40:30','2024-04-19 19:45:40');
INSERT INTO `payment` VALUES (7,7,NULL,'PayPal','2024-04-20',20.00,300.00,40.00,80.00,440.00,30.00,'2024-04-22 16:55:45','2024-04-19 20:55:55');
INSERT INTO `payment` VALUES (8,8,13,'Credit Card','2024-04-20',22.50,350.50,45.00,90.00,508.00,40.00,'2024-04-22 17:50:10','2024-04-19 21:50:20');
INSERT INTO `payment` VALUES (9,9,8,'Bank Transfer','2024-04-20',25.00,400.25,50.00,100.00,575.25,50.00,'2024-04-22 18:45:30','2024-04-19 22:55:40');
INSERT INTO `payment` VALUES (10,10,10,'PayPal','2024-04-20',28.50,450.00,55.00,110.00,643.50,60.00,'2024-04-22 19:55:45','2024-04-19 23:45:55');
INSERT INTO `payment` VALUES (11,11,12,'Credit Card','2024-04-21',30.00,500.75,60.00,120.00,733.75,70.00,'2024-04-22 20:45:10','2024-04-21 00:15:40');
INSERT INTO `payment` VALUES (12,12,15,'Bank Transfer','2024-04-21',32.50,550.50,70.00,130.00,803.00,80.00,'2024-04-22 21:35:25','2024-04-21 01:25:55');
INSERT INTO `payment` VALUES (13,13,16,'PayPal','2024-04-21',35.00,600.00,80.00,140.00,875.00,90.00,'2024-04-22 22:50:40','2024-04-21 02:40:10');
INSERT INTO `payment` VALUES (14,14,1,'Credit Card','2024-04-21',37.50,650.25,90.00,150.00,950.75,0.00,'2024-04-22 23:55:10','2024-04-21 03:55:25');
INSERT INTO `payment` VALUES (15,15,18,'Bank Transfer','2024-04-21',40.00,700.50,100.00,160.00,1030.50,110.00,'2024-04-23 01:05:30','2024-04-21 04:45:40');
INSERT INTO `payment` VALUES (16,16,19,'PayPal','2024-04-21',42.50,750.75,110.00,170.00,1115.25,0.00,'2024-04-23 02:15:50','2024-04-21 05:30:55');
INSERT INTO `payment` VALUES (17,17,20,'Credit Card','2024-04-21',45.00,800.00,120.00,180.00,1200.00,0.00,'2024-04-23 03:25:10','2024-04-21 06:25:10');
INSERT INTO `payment` VALUES (18,18,18,'Bank Transfer','2024-04-21',47.50,850.25,130.00,190.00,1280.75,140.00,'2024-04-23 04:35:20','2024-04-21 07:10:25');
INSERT INTO `payment` VALUES (19,19,NULL,'PayPal','2024-04-21',50.00,900.50,140.00,200.00,1350.50,0.00,'2024-04-23 05:45:30','2024-04-21 08:05:40');
INSERT INTO `payment` VALUES (20,20,7,'Credit Card','2024-04-21',52.50,950.75,150.00,210.00,1423.25,160.00,'2024-04-23 06:55:40','2024-04-21 09:20:55');
INSERT INTO `payment` VALUES (21,21,10,'Bank Transfer','2024-04-21',55.00,1000.00,160.00,220.00,1490.00,170.00,'2024-04-23 08:05:50','2024-04-21 10:35:10');
INSERT INTO `payment` VALUES (22,22,11,'PayPal','2024-04-21',57.50,1050.25,170.00,230.00,1560.75,180.00,'2024-04-23 09:15:40','2024-04-21 11:20:25');
INSERT INTO `payment` VALUES (23,23,12,'Credit Card','2024-04-21',60.00,1100.50,180.00,240.00,1633.50,190.00,'2024-04-23 10:25:55','2024-04-21 12:05:40');
INSERT INTO `payment` VALUES (24,24,13,'Bank Transfer','2024-04-21',62.50,1150.75,190.00,250.00,1708.25,0.00,'2024-04-23 11:35:10','2024-04-21 13:10:55');
```

property

```
INSERT INTO `property` VALUES (1,12,7,1,30,'Lakeside Retreat','This is a cozy lakeside retreat perfect for relaxation',4,2,1,2,1,2,1,0,'-75.1652','39.9526',150);
INSERT INTO `property` VALUES (2,4,1,2,31,'Mountain View Cabin','A charming cabin nestled in the mountains with breathtaking views',6,3,2,3,2,3,1,1,'-118.2437','34.0522',200);
INSERT INTO `property` VALUES (3,13,2,3,32,'Urban Loft','Modern loft space in the heart of the city, ideal for city explorers',2,1,1,1,1,1,1,0,'-84.388','33.749',100);
INSERT INTO `property` VALUES (4,1,4,4,33,'Seaside Villa','Luxurious villa by the sea offering stunning ocean views',8,4,3,4,2,3,1,1,'-118.2437','34.0522',300);
INSERT INTO `property` VALUES (5,5,18,5,34,'Riverside Retreat','Tranquil retreat along the riverbank, perfect for nature lovers',6,3,2,3,2,3,1,0,'-3.7038','40.4168',180);
INSERT INTO `property` VALUES (6,11,11,6,35,'Forest Cabin Escape','Cozy cabin nestled in the forest, ideal for a peaceful getaway',7,3,2,4,2,3,1,0,'-95.3698','29.7604',180);
INSERT INTO `property` VALUES (7,3,17,7,36,'City View Condo','Modern condo with panoramic city views, perfect for urban living',9,4,3,5,3,4,1,1,'-118.2437','34.0522',220);
INSERT INTO `property` VALUES (8,10,16,8,37,'Coastal Bungalow','Quaint bungalow by the coast offering a relaxing seaside experience',5,2,1,3,1,2,0,0,'12.4964','41.9028',120);
INSERT INTO `property` VALUES (9,2,14,9,38,'Downtown Loft','Chic loft located in the bustling downtown area, great for city life enthusiasts',8,3,2,4,2,3,1,1,'-0.1276','51.5074',200);
INSERT INTO `property` VALUES (10,9,13,10,39,'Beachfront Villa','Luxurious villa right by the beach, offering direct access to the sand',10,4,3,5,3,4,1,0,'-3.7038','40.4168',250);
INSERT INTO `property` VALUES (11,14,3,11,40,'Country Cottage','Charming cottage nestled in the countryside, perfect for a quiet retreat',6,2,1,3,1,2,1,0,'-74.0059','40.7128',150);
INSERT INTO `property` VALUES (12,15,10,12,41,'Mountain Chalet','Cosy chalet nestled in the mountains, offering picturesque views',7,3,2,4,2,3,1,1,'126.978','37.5665',180);
INSERT INTO `property` VALUES (13,17,13,13,42,'Lakefront Lodge','Serene lodge located by the lake, ideal for nature enthusiasts',8,3,2,4,2,3,0,1,'2.3522','48.8566',200);
INSERT INTO `property` VALUES (14,3,1,14,43,'City Center Apartment','Modern apartment in the heart of the city, perfect for urban living',4,1,1,1,1,1,1,0,'-74.0059','40.7128',120);
INSERT INTO `property` VALUES (15,8,9,15,44,'Lakeview Cabin','Charming cabin with views of the lake, great for a peaceful getaway',5,2,1,3,1,2,1,1,'139.6917','35.6895',150);
INSERT INTO `property` VALUES (16,16,16,16,45,'Riverfront Retreat','Tranquil retreat by the riverbank, perfect for relaxation',6,2,1,3,1,2,1,0,'-95.3698','29.7604',180);
INSERT INTO `property` VALUES (17,18,12,17,46,'Rural Farmhouse','Traditional farmhouse in a peaceful rural setting',7,3,2,4,2,3,1,1,'-95.3698','29.7604',180);
INSERT INTO `property` VALUES (18,20,6,18,47,'Beachside Bungalow','Relaxing bungalow by the beach with stunning ocean views',5,2,1,3,1,2,0,0,'12.4964','41.9028',100);
INSERT INTO `property` VALUES (19,4,8,19,48,'Urban Oasis','Modern oasis in the city offering comfort and convenience',6,2,1,3,1,2,1,1,'-0.1276','51.5074',150);
INSERT INTO `property` VALUES (20,5,18,20,49,'Riverfront Cottage','Charming cottage by the river, perfect for a peaceful retreat',7,3,2,3,2,3,1,1,'-3.7038','40.4168',180);
INSERT INTO `property` VALUES (21,17,14,21,50,'Downtown Penthouse','Luxurious penthouse in the bustling downtown area, offering stunning city views',4,2,1,2,1,1,1,0,'2.3522','48.8566',250);
INSERT INTO `property` VALUES (22,15,8,22,51,'City Skyline View Apartment','Stylish apartment with panoramic views of the city skyline',5,2,1,2,1,1,1,0,'139.6917','35.6895',200);
INSERT INTO `property` VALUES (23,19,19,23,52,'Rural Retreat','Tranquil retreat in a serene rural setting, perfect for relaxation',6,2,1,3,1,2,1,1,'9.5018','56.2639',150);
INSERT INTO `property` VALUES (24,6,5,24,53,'Hillside Hideaway','Cozy hideaway nestled in the hills, offering scenic views',4,1,1,1,1,1,1,0,'-3.7038','40.4168',120);
INSERT INTO `property` VALUES (25,8,15,25,54,'Coastal Cottage','Quaint cottage by the coast, offering a peaceful seaside escape',5,2,1,2,1,1,1,0,'139.6917','35.6895',150);
INSERT INTO `property` VALUES (26,18,20,26,55,'Oceanfront Retreat','Serene retreat right by the ocean, perfect for relaxation',6,3,2,3,2,3,1,1,'-95.3698','29.7604',180);
INSERT INTO `property` VALUES (27,20,7,26,56,'Lakeview Lodge','Cosy lodge with views of the lake, great for a nature retreat',5,2,1,2,1,1,0,0,'12.4964','41.9028',120);
INSERT INTO `property` VALUES (28,1,1,3,57,'Urban View Studio','Modern studio with urban views, perfect for city dwellers',2,1,1,1,1,1,1,0,'-74.0059','40.7128',80);
INSERT INTO `property` VALUES (29,7,19,7,58,'New Property','Description of the new property',5,2,1,3,1,1,1,0,'-74.0059','40.7128',120);
```

property_amenity

```
INSERT INTO `property_amenity` VALUES (1,1,25,'High-speed WiFi available throughout the property for seamless connectivity.');
INSERT INTO `property_amenity` VALUES (2,2,24,'Central air conditioning ensuring a comfortable stay even during hot weather.');
INSERT INTO `property_amenity` VALUES (3,3,23,'Central heating provided to keep guests cozy during colder seasons.');
INSERT INTO `property_amenity` VALUES (4,4,22,'Fully equipped kitchen with modern appliances for convenient meal preparation.');
INSERT INTO `property_amenity` VALUES (5,5,21,'Ample free parking space available for guests' vehicles.');
INSERT INTO `property_amenity` VALUES (6,6,20,'Private pool exclusively for guests to enjoy a refreshing swim.');
INSERT INTO `property_amenity` VALUES (7,7,19,'Invigorating hot tub for relaxation and rejuvenation.');
INSERT INTO `property_amenity` VALUES (8,8,18,'Well-equipped fitness center on-site for guests' workout routines.');
INSERT INTO `property_amenity` VALUES (9,9,17,'Complimentary continental breakfast served daily for a great start.');
INSERT INTO `property_amenity` VALUES (10,10,16,'Pet-friendly accommodations welcoming furry companions.');
INSERT INTO `property_amenity` VALUES (11,11,15,'Designated smoking areas provided for guests' convenience.');
INSERT INTO `property_amenity` VALUES (12,12,14,'Essential amenities offered to ensure guest comfort and satisfaction.');
INSERT INTO `property_amenity` VALUES (13,13,13,'Hair dryer available in the room for guest convenience.');
INSERT INTO `property_amenity` VALUES (14,14,12,'Washing machine provided for guest laundry needs during the stay.');
INSERT INTO `property_amenity` VALUES (15,15,11,'Dryer available for guest use to handle laundry efficiently.');
INSERT INTO `property_amenity` VALUES (16,16,10,'Smart TV with streaming options for entertainment and relaxation.');
INSERT INTO `property_amenity` VALUES (17,17,9,'Cable TV channels available for guests' viewing pleasure.');
INSERT INTO `property_amenity` VALUES (18,18,8,'Cozy fireplace in the living area for warmth and ambiance.');
INSERT INTO `property_amenity` VALUES (19,19,7,'Elevator access provided for convenience and easy mobility.');
INSERT INTO `property_amenity` VALUES (20,20,6,'Outdoor grill available for barbecue and outdoor cooking experiences.');
INSERT INTO `property_amenity` VALUES (21,21,5,'High-speed WiFi available throughout the property for seamless browsing.');
INSERT INTO `property_amenity` VALUES (22,22,4,'Central air conditioning ensuring a comfortable stay throughout the property.');
INSERT INTO `property_amenity` VALUES (23,23,3,'Central heating provided to maintain warmth and comfort during colder seasons.');
INSERT INTO `property_amenity` VALUES (24,24,2,'Fully equipped kitchen with modern appliances for guest convenience.');
INSERT INTO `property_amenity` VALUES (25,25,1,'Free parking space available for guests' vehicles during their stay.');
INSERT INTO `property_amenity` VALUES (26,26,25,'High-speed WiFi available for seamless connectivity.');
INSERT INTO `property_amenity` VALUES (27,27,24,'Central air conditioning for guest comfort.');
INSERT INTO `property_amenity` VALUES (28,28,23,'Central heating for a cozy stay.');
INSERT INTO `property_amenity` VALUES (29,29,22,'Fully equipped kitchen for convenient meal preparation.');
INSERT INTO `property_amenity` VALUES (30,1,1,'Spacious living room with comfortable seating.');
INSERT INTO `property_amenity` VALUES (31,2,2,'Private balcony overlooking scenic views.');
INSERT INTO `property_amenity` VALUES (32,3,3,'Cozy fireplace for a warm ambiance during colder seasons.');
```

property_availability

```
INSERT INTO `property_availability` VALUES (1,1,'2024-04-24 09:00:00','available',120.00);
INSERT INTO `property_availability` VALUES (2,2,'2024-04-25 10:00:00','booked',180.00);
INSERT INTO `property_availability` VALUES (3,3,'2024-04-26 11:00:00','available',150.00);
INSERT INTO `property_availability` VALUES (4,4,'2024-04-27 12:00:00','available',300.00);
INSERT INTO `property_availability` VALUES (5,5,'2024-04-28 13:00:00','booked',200.00);
INSERT INTO `property_availability` VALUES (6,6,'2024-04-29 14:00:00','available',180.00);
INSERT INTO `property_availability` VALUES (7,7,'2024-04-30 15:00:00','available',220.00);
INSERT INTO `property_availability` VALUES (8,8,'2024-05-01 16:00:00','booked',120.00);
INSERT INTO `property_availability` VALUES (9,9,'2024-05-02 17:00:00','available',200.00);
INSERT INTO `property_availability` VALUES (10,10,'2024-05-03 18:00:00','available',250.00);
INSERT INTO `property_availability` VALUES (11,11,'2024-05-04 19:00:00','booked',150.00);
INSERT INTO `property_availability` VALUES (12,12,'2024-05-05 20:00:00','available',180.00);
INSERT INTO `property_availability` VALUES (13,13,'2024-05-06 21:00:00','available',200.00);
INSERT INTO `property_availability` VALUES (14,14,'2024-05-07 22:00:00','booked',120.00);
INSERT INTO `property_availability` VALUES (15,15,'2024-05-08 23:00:00','available',150.00);
INSERT INTO `property_availability` VALUES (16,16,'2024-05-09 09:00:00','available',180.00);
INSERT INTO `property_availability` VALUES (17,17,'2024-05-10 10:00:00','booked',180.00);
INSERT INTO `property_availability` VALUES (18,18,'2024-05-11 11:00:00','available',100.00);
INSERT INTO `property_availability` VALUES (19,19,'2024-05-12 12:00:00','available',150.00);
INSERT INTO `property_availability` VALUES (20,20,'2024-05-13 13:00:00','booked',180.00);
INSERT INTO `property_availability` VALUES (21,21,'2024-05-14 14:00:00','available',250.00);
INSERT INTO `property_availability` VALUES (22,22,'2024-05-15 15:00:00','available',200.00);
INSERT INTO `property_availability` VALUES (23,23,'2024-05-16 16:00:00','booked',150.00);
INSERT INTO `property_availability` VALUES (24,24,'2024-05-17 17:00:00','available',120.00);
INSERT INTO `property_availability` VALUES (25,25,'2024-05-18 18:00:00','available',150.00);
INSERT INTO `property_availability` VALUES (26,26,'2024-05-19 19:00:00','booked',180.00);
INSERT INTO `property_availability` VALUES (27,27,'2024-05-20 20:00:00','available',120.00);
INSERT INTO `property_availability` VALUES (28,28,'2024-05-21 21:00:00','available',80.00);
INSERT INTO `property_availability` VALUES (29,29,'2024-05-22 22:00:00','booked',150.00);
```

property_review

```
INSERT INTO `property_review` VALUES (1,2,1);
INSERT INTO `property_review` VALUES (2,18,2);
INSERT INTO `property_review` VALUES (3,6,3);
INSERT INTO `property_review` VALUES (4,9,4);
INSERT INTO `property_review` VALUES (5,12,5);
INSERT INTO `property_review` VALUES (6,19,6);
INSERT INTO `property_review` VALUES (7,1,7);
INSERT INTO `property_review` VALUES (8,23,8);
INSERT INTO `property_review` VALUES (9,4,9);
INSERT INTO `property_review` VALUES (10,13,10);
INSERT INTO `property_review` VALUES (11,22,11);
INSERT INTO `property_review` VALUES (12,5,12);
INSERT INTO `property_review` VALUES (13,16,13);
INSERT INTO `property_review` VALUES (14,2,14);
INSERT INTO `property_review` VALUES (15,28,15);
INSERT INTO `property_review` VALUES (16,15,16);
INSERT INTO `property_review` VALUES (17,8,17);
INSERT INTO `property_review` VALUES (18,3,18);
INSERT INTO `property_review` VALUES (19,9,2);
INSERT INTO `property_review` VALUES (20,20,3);
INSERT INTO `property_review` VALUES (21,11,6);
INSERT INTO `property_review` VALUES (22,26,12);
INSERT INTO `property_review` VALUES (23,14,18);
INSERT INTO `property_review` VALUES (24,25,2);
INSERT INTO `property_review` VALUES (25,21,3);
```

property_category

```
INSERT INTO `property_category` VALUES (1,7,'Secluded retreat','Provides a secluded and peaceful environment.');
INSERT INTO `property_category` VALUES (2,1,'Pet-friendly','Allows pets on the property.');
INSERT INTO `property_category` VALUES (3,2,'Spacious','Offers ample living space.');
INSERT INTO `property_category` VALUES (4,4,'Private pool','Features a private swimming pool.');
INSERT INTO `property_category` VALUES (5,18,'Adventure retreat','Ideal for adventurous stays amidst nature.');
INSERT INTO `property_category` VALUES (6,11,'Compact living','Ideal for individuals or couples seeking a compact living space.');
INSERT INTO `property_category` VALUES (7,17,'Nomadic lifestyle','Provides a unique nomadic lifestyle experience.');
INSERT INTO `property_category` VALUES (8,16,'Grandeur','Represents grandeur and luxury.');
INSERT INTO `property_category` VALUES (9,14,'Historic charm','Embraces historical charm and architectural significance.');
INSERT INTO `property_category` VALUES (10,13,'Countryside charm','Offers a charming countryside setting.');
INSERT INTO `property_category` VALUES (11,3,'Modern amenities','Includes modern facilities and conveniences.');
INSERT INTO `property_category` VALUES (12,10,'Single-story','Designed as a single-story residence.');
INSERT INTO `property_category` VALUES (13,4,'Luxury amenities','Offers luxurious amenities and services.');
INSERT INTO `property_category` VALUES (14,1,'Family-friendly','Suitable for families with children.');
INSERT INTO `property_category` VALUES (15,9,'Urban living','Offers a modern urban living experience.');
INSERT INTO `property_category` VALUES (16,16,'Estate living','Offers an estate-style living experience.');
INSERT INTO `property_category` VALUES (17,12,'Panoramic views','Provides stunning panoramic views of the surroundings.');
INSERT INTO `property_category` VALUES (18,6,'Rustic charm','Embraces a rustic and traditional aesthetic.');
INSERT INTO `property_category` VALUES (19,8,'Dual living','Designed for dual occupancy with separate living areas.');
INSERT INTO `property_category` VALUES (20,18,'Nature immersion','Immerses guests in a natural and tree-top environment.');
INSERT INTO `property_category` VALUES (21,14,'Royal treatment','Offers a royal and luxurious experience.');
INSERT INTO `property_category` VALUES (22,8,'Shared garden','Includes a shared garden space.');
INSERT INTO `property_category` VALUES (23,19,'Waterfront living','Offers a unique waterfront living experience.');
INSERT INTO `property_category` VALUES (24,5,'Cozy atmosphere','Provides a cozy and inviting ambiance.');
INSERT INTO `property_category` VALUES (25,15,'Alpine experience','Provides an authentic alpine living experience.');
INSERT INTO `property_category` VALUES (26,20,'Minimalist living','Designed for minimalist and compact living.');
```

property_images

```
INSERT INTO `property_images` VALUES (1,1,'https://example.com/image1.jpg','Living room view');
INSERT INTO `property_images` VALUES (2,2,'https://example.com/image2.jpg','Mountain view');
INSERT INTO `property_images` VALUES (3,3,'https://example.com/image3.jpg','City skyline');
INSERT INTO `property_images` VALUES (4,4,'https://example.com/image4.jpg','Ocean view');
INSERT INTO `property_images` VALUES (5,5,'https://example.com/image5.jpg','Riverfront');
INSERT INTO `property_images` VALUES (6,6,'https://example.com/image6.jpg','Forest cabin exterior');
INSERT INTO `property_images` VALUES (7,7,'https://example.com/image7.jpg','City view from condo');
INSERT INTO `property_images` VALUES (8,8,'https://example.com/image8.jpg','Bungalow exterior');
INSERT INTO `property_images` VALUES (9,9,'https://example.com/image9.jpg','Downtown loft interior');
INSERT INTO `property_images` VALUES (10,10,'https://example.com/image10.jpg','Beachfront villa view');
INSERT INTO `property_images` VALUES (11,11,'https://example.com/image11.jpg','Countryside cottage');
INSERT INTO `property_images` VALUES (12,12,'https://example.com/image12.jpg','Mountain chalet exterior');
INSERT INTO `property_images` VALUES (13,13,'https://example.com/image13.jpg','Lakefront lodge view');
INSERT INTO `property_images` VALUES (14,14,'https://example.com/image14.jpg','City center apartment');
INSERT INTO `property_images` VALUES (15,15,'https://example.com/image15.jpg','Lakeview cabin exterior');
INSERT INTO `property_images` VALUES (16,16,'https://example.com/image16.jpg','Riverfront retreat');
INSERT INTO `property_images` VALUES (17,17,'https://example.com/image17.jpg','Rural farmhouse view');
INSERT INTO `property_images` VALUES (18,18,'https://example.com/image18.jpg','Beachside bungalow');
INSERT INTO `property_images` VALUES (19,19,'https://example.com/image19.jpg','Urban oasis');
INSERT INTO `property_images` VALUES (20,20,'https://example.com/image20.jpg','Riverfront cottage exterior');
INSERT INTO `property_images` VALUES (21,21,'https://example.com/image21.jpg','Downtown penthouse view');
INSERT INTO `property_images` VALUES (22,22,'https://example.com/image22.jpg','City skyline apartment');
INSERT INTO `property_images` VALUES (23,23,'https://example.com/image23.jpg','Rural retreat');
INSERT INTO `property_images` VALUES (24,24,'https://example.com/image24.jpg','Hillside hideaway');
INSERT INTO `property_images` VALUES (25,25,'https://example.com/image25.jpg','Coastal cottage');
INSERT INTO `property_images` VALUES (26,26,'https://example.com/image26.jpg','Oceanfront retreat');
INSERT INTO `property_images` VALUES (27,27,'https://example.com/image27.jpg','Lakeview lodge');
INSERT INTO `property_images` VALUES (28,28,'https://example.com/image28.jpg','Urban view studio');
INSERT INTO `property_images` VALUES (29,29,'https://example.com/image29.jpg','Property entrance');
INSERT INTO `property_images` VALUES (30,1,'https://example.com/image30.jpg','Bedroom view');
INSERT INTO `property_images` VALUES (31,2,'https://example.com/image31.jpg','Bathroom interior');
INSERT INTO `property_images` VALUES (32,3,'https://example.com/image32.jpg','Dining area');
INSERT INTO `property_images` VALUES (33,4,'https://example.com/image33.jpg','Luxury bedroom');
INSERT INTO `property_images` VALUES (34,5,'https://example.com/image34.jpg','Riverfront sunset');
```

property_type

```
INSERT INTO `property_type` VALUES (1,'Apartment','A self-contained housing unit within a larger building or complex.');
INSERT INTO `property_type` VALUES (2,'House','A standalone dwelling typically designed for residential occupancy.');
INSERT INTO `property_type` VALUES (3,'Condominium','A privately owned residential unit within a multi-unit building or complex.');
INSERT INTO `property_type` VALUES (4,'Villa','A luxurious, often detached residence, usually located in a scenic or exclusive area.');
INSERT INTO `property_type` VALUES (5,'Townhouse','A multi-level residential unit that shares walls with adjacent units.');
INSERT INTO `property_type` VALUES (6,'Cottage','A small, cozy dwelling, often located in a rural or scenic area.');
INSERT INTO `property_type` VALUES (7,'Cabin','A rustic, typically small house or shelter, often used as a vacation retreat.');
INSERT INTO `property_type` VALUES (8,'Duplex','A residential building with two separate units sharing a common wall.');
INSERT INTO `property_type` VALUES (9,'Loft','A spacious, open-concept residential unit, typically converted from a commercial space.');
INSERT INTO `property_type` VALUES (10,'Bungalow','A single-story house, often with a veranda or porch, popular for its simplicity and accessibility.');
INSERT INTO `property_type` VALUES (11,'Studio','A small, self-contained living space with combined living, sleeping, and dining areas.');
INSERT INTO `property_type` VALUES (12,'Penthouse','A luxurious apartment or residence located on the top floor of a building, offering panoramic views.');
INSERT INTO `property_type` VALUES (13,'Farmhouse','A house located on a farm, often with agricultural elements and a rural ambiance.');
INSERT INTO `property_type` VALUES (14,'Castle','A large, fortified residence often associated with historical significance and grandeur.');
INSERT INTO `property_type` VALUES (15,'Chalet','A cozy, alpine-style house or lodge, popular in mountainous regions for vacation stays.');
INSERT INTO `property_type` VALUES (16,'Mansion','A large, impressive residence, typically associated with wealth and luxury.');
INSERT INTO `property_type` VALUES (17,'Yurt','A traditional, portable dwelling used by nomadic communities, often circular in shape.');
INSERT INTO `property_type` VALUES (18,'Treehouse','A structure built among trees, often used as a unique and adventurous accommodation.');
INSERT INTO `property_type` VALUES (19,'Houseboat','A dwelling designed to float on water, offering a unique living experience on rivers or lakes.');
INSERT INTO `property_type` VALUES (20,'Tiny House','A compact, minimalist dwelling designed for simplicity and efficient use of space.');
```

region

```
INSERT INTO `region` VALUES (1,1,'California');
INSERT INTO `region` VALUES (2,2,'Ontario');
INSERT INTO `region` VALUES (3,3,'England');
INSERT INTO `region` VALUES (4,4,'New South Wales');
INSERT INTO `region` VALUES (5,5,'Bavaria');
INSERT INTO `region` VALUES (6,6,'Île-de-France');
INSERT INTO `region` VALUES (7,7,'Lazio');
INSERT INTO `region` VALUES (8,8,'Catalonia');
INSERT INTO `region` VALUES (9,9,'Tokyo');
INSERT INTO `region` VALUES (10,10,'Beijing');
INSERT INTO `region` VALUES (11,11,'Maharashtra');
INSERT INTO `region` VALUES (12,12,'São Paulo');
INSERT INTO `region` VALUES (13,13,'Mexico City');
INSERT INTO `region` VALUES (14,14,'Moscow Oblast');
INSERT INTO `region` VALUES (15,15,'Seoul');
INSERT INTO `region` VALUES (16,16,'North Holland');
INSERT INTO `region` VALUES (17,17,'Zurich');
INSERT INTO `region` VALUES (18,18,'Stockholm County');
INSERT INTO `region` VALUES (19,19,'Oslo');
INSERT INTO `region` VALUES (20,20,'Capital Region of Denmark');
INSERT INTO `region` VALUES (21,21,'Central Region');
INSERT INTO `region` VALUES (22,22,'Kuala Lumpur');
INSERT INTO `region` VALUES (23,23,'Bangkok');
INSERT INTO `region` VALUES (24,24,'Jakarta');
INSERT INTO `region` VALUES (25,25,'Gauteng');
```

user_preferred_guest_type

```
INSERT INTO `user_preferred_guest_type` VALUES (42,116,1,1);
INSERT INTO `user_preferred_guest_type` VALUES (43,117,2,2);
INSERT INTO `user_preferred_guest_type` VALUES (44,118,3,5);
INSERT INTO `user_preferred_guest_type` VALUES (45,119,4,6);
INSERT INTO `user_preferred_guest_type` VALUES (46,120,5,5);
INSERT INTO `user_preferred_guest_type` VALUES (47,121,6,1);
INSERT INTO `user_preferred_guest_type` VALUES (48,122,7,1);
INSERT INTO `user_preferred_guest_type` VALUES (49,123,8,1);
INSERT INTO `user_preferred_guest_type` VALUES (50,124,9,2);
INSERT INTO `user_preferred_guest_type` VALUES (51,125,10,4);
INSERT INTO `user_preferred_guest_type` VALUES (52,126,11,1);
INSERT INTO `user_preferred_guest_type` VALUES (53,127,12,1);
INSERT INTO `user_preferred_guest_type` VALUES (54,128,13,5);
INSERT INTO `user_preferred_guest_type` VALUES (55,129,14,5);
INSERT INTO `user_preferred_guest_type` VALUES (56,130,15,2);
INSERT INTO `user_preferred_guest_type` VALUES (57,131,16,1);
INSERT INTO `user_preferred_guest_type` VALUES (58,132,17,1);
INSERT INTO `user_preferred_guest_type` VALUES (59,133,18,2);
INSERT INTO `user_preferred_guest_type` VALUES (60,134,19,3);
INSERT INTO `user_preferred_guest_type` VALUES (61,135,20,1);
INSERT INTO `user_preferred_guest_type` VALUES (62,136,1,1);
INSERT INTO `user_preferred_guest_type` VALUES (63,137,2,2);
INSERT INTO `user_preferred_guest_type` VALUES (64,138,3,5);
INSERT INTO `user_preferred_guest_type` VALUES (65,139,4,6);
INSERT INTO `user_preferred_guest_type` VALUES (66,140,5,5);
INSERT INTO `user_preferred_guest_type` VALUES (67,141,6,1);
INSERT INTO `user_preferred_guest_type` VALUES (68,142,7,1);
INSERT INTO `user_preferred_guest_type` VALUES (69,143,8,1);
INSERT INTO `user_preferred_guest_type` VALUES (70,144,9,2);
INSERT INTO `user_preferred_guest_type` VALUES (71,145,10,4);
INSERT INTO `user_preferred_guest_type` VALUES (72,146,11,1);
INSERT INTO `user_preferred_guest_type` VALUES (73,147,12,1);
INSERT INTO `user_preferred_guest_type` VALUES (74,148,13,5);
INSERT INTO `user_preferred_guest_type` VALUES (75,149,14,5);
INSERT INTO `user_preferred_guest_type` VALUES (76,150,15,2);
INSERT INTO `user_preferred_guest_type` VALUES (77,151,16,NULL);
INSERT INTO `user_preferred_guest_type` VALUES (78,152,17,NULL);
INSERT INTO `user_preferred_guest_type` VALUES (79,153,NULL,NULL);
INSERT INTO `user_preferred_guest_type` VALUES (80,154,NULL,NULL);
INSERT INTO `user_preferred_guest_type` VALUES (81,155,NULL,NULL);
INSERT INTO `user_preferred_guest_type` VALUES (82,156,NULL,NULL);
```

reservations

```
INSERT INTO `reservations` VALUES (1,1,145,4,200,4,0,'2024-04-01 07:30:18','2024-04-05 14:00:00','2024-04-09 14:00:00','2024-03-06 12:40:55','2024-04-10 00:00:00');  
INSERT INTO `reservations` VALUES (2,2,145,3,180,3,0,'2024-04-05 08:20:30','2024-04-08 13:00:00','2024-04-11 13:00:00','2024-03-10 14:50:10','2024-04-12 00:00:00');  
INSERT INTO `reservations` VALUES (3,3,139,5,220,5,0,'2024-04-10 06:15:45','2024-04-15 11:00:00','2024-04-20 11:00:00','2024-03-15 10:35:20','2024-04-21 00:00:00');  
INSERT INTO `reservations` VALUES (4,4,135,6,190,6,0,'2024-04-15 09:30:00','2024-04-21 15:00:00','2024-04-27 15:00:00','2024-03-20 16:10:00','2024-04-28 00:00:00');  
INSERT INTO `reservations` VALUES (5,5,156,7,250,7,0,'2024-04-20 12:00:00','2024-04-27 18:00:00','2024-05-04 18:00:00','2024-03-25 17:40:00','2024-05-05 00:00:00');  
INSERT INTO `reservations` VALUES (6,6,120,4,160,4,0,'2024-04-03 07:30:18','2024-04-07 14:00:00','2024-04-11 14:00:00','2024-03-08 12:40:55','2024-04-12 00:00:00');  
INSERT INTO `reservations` VALUES (7,7,120,3,200,3,0,'2024-04-18 10:55:22','2024-04-22 10:30:00','2024-04-25 10:30:00','2024-03-23 15:20:37','2024-04-26 00:00:00');  
INSERT INTO `reservations` VALUES (8,8,128,5,180,5,0,'2024-04-14 13:40:29','2024-04-20 12:00:00','2024-04-25 12:00:00','2024-03-20 09:55:46','2024-04-26 00:00:00');  
INSERT INTO `reservations` VALUES (9,9,121,2,120,2,0,'2024-04-05 06:10:14','2024-04-07 15:00:00','2024-04-09 15:00:00','2024-03-10 17:30:21','2024-04-10 00:00:00');  
INSERT INTO `reservations` VALUES (10,10,116,6,150,6,0,'2024-04-22 14:25:35','2024-04-28 10:00:00','2024-05-04 10:00:00','2024-03-28 11:45:09','2024-05-05 00:00:00');  
INSERT INTO `reservations` VALUES (11,11,119,3,180,3,0,'2024-04-07 07:50:41','2024-04-10 11:30:00','2024-04-13 11:30:00','2024-03-12 14:20:58','2024-04-14 00:00:00');  
INSERT INTO `reservations` VALUES (12,11,119,5,190,5,0,'2024-04-10 13:35:26','2024-04-15 09:00:00','2024-04-20 09:00:00','2024-03-15 12:10:47','2024-04-21 00:00:00');  
INSERT INTO `reservations` VALUES (13,12,121,3,220,3,0,'2024-04-12 15:20:38','2024-04-15 13:00:00','2024-04-18 13:00:00','2024-03-17 10:50:16','2024-04-19 00:00:00');  
INSERT INTO `reservations` VALUES (14,13,131,5,200,5,0,'2024-04-16 11:35:12','2024-04-21 08:00:00','2024-04-26 08:00:00','2024-03-26 10:15:27','2024-04-27 00:00:00');  
INSERT INTO `reservations` VALUES (15,14,139,4,160,4,0,'2024-04-01 09:20:54','2024-04-05 09:30:00','2024-04-09 09:30:00','2024-03-06 16:50:43','2024-04-10 00:00:00');  
INSERT INTO `reservations` VALUES (16,15,127,7,140,7,0,'2024-04-19 12:45:28','2024-04-26 12:00:00','2024-05-03 12:00:00','2024-03-24 08:30:57','2024-05-04 00:00:00');  
INSERT INTO `reservations` VALUES (17,16,118,3,100,3,0,'2024-04-04 06:55:49','2024-04-08 14:30:00','2024-04-11 14:30:00','2024-03-09 10:40:15','2024-04-12 00:00:00');  
INSERT INTO `reservations` VALUES (18,17,123,6,130,6,0,'2024-04-13 08:40:35','2024-04-17 10:00:00','2024-04-22 10:00:00','2024-03-18 11:25:44','2024-04-23 00:00:00');  
INSERT INTO `reservations` VALUES (19,18,126,2,110,2,0,'2024-04-22 10:15:24','2024-04-24 11:30:00','2024-04-26 11:30:00','2024-03-28 13:25:22','2024-04-27 00:00:00');  
INSERT INTO `reservations` VALUES (20,19,153,4,140,4,0,'2024-04-07 12:45:28','2024-04-11 12:00:00','2024-04-15 12:00:00','2024-03-12 08:30:57','2024-04-16 00:00:00');  
INSERT INTO `reservations` VALUES (21,19,151,3,160,3,0,'2024-04-16 07:55:49','2024-04-19 14:30:00','2024-04-22 14:30:00','2024-03-21 11:40:15','2024-04-23 00:00:00');  
INSERT INTO `reservations` VALUES (22,20,155,6,180,6,0,'2024-04-21 09:40:35','2024-04-27 11:00:00','2024-05-03 11:00:00','2024-03-26 14:25:44','2024-05-04 00:00:00');  
INSERT INTO `reservations` VALUES (23,20,155,4,150,4,0,'2024-04-05 14:10:20','2024-04-09 12:30:00','2024-04-13 12:30:00','2024-03-10 18:45:37','2024-04-14 00:00:00');  
INSERT INTO `reservations` VALUES (24,21,138,7,200,7,0,'2024-04-10 15:20:38','2024-04-17 09:00:00','2024-04-24 09:00:00','2024-03-15 10:50:16','2024-04-25 00:00:00');
```

review

```
INSERT INTO `review` VALUES (1,1,14,'The internet connection was good.',1,3.5,'2024-05-07 09:23:15');
INSERT INTO `review` VALUES (2,2,2,'Excellent communication.',0,5,'2024-06-15 16:42:09');
INSERT INTO `review` VALUES (3,3,12,'Good accessibility.',0,4,'2024-06-28 11:17:33');
INSERT INTO `review` VALUES (4,4,13,'Satisfactory guest interaction.',0,3,'2024-07-03 18:55:21');
INSERT INTO `review` VALUES (5,5,16,'Average bed comfort.',1,3.5,'2024-07-17 14:39:47');
INSERT INTO `review` VALUES (6,6,14,'The internet connection was good.',0,4,'2024-08-09 08:27:55');
INSERT INTO `review` VALUES (7,7,9,'Safety was satisfactory.',0,4,'2024-08-20 19:12:36');
INSERT INTO `review` VALUES (8,8,9,'Safety was satisfactory.',0,4.5,'2024-08-24 10:08:42');
INSERT INTO `review` VALUES (9,9,5,'Location was good.',0,4,'2024-09-03 12:30:18');
INSERT INTO `review` VALUES (10,10,9,'Safety was satisfactory.',0,4,'2024-09-11 15:20:59');
INSERT INTO `review` VALUES (11,11,10,'Privacy was good.',0,4.5,'2024-09-15 07:59:04');
INSERT INTO `review` VALUES (12,12,4,'Check-in experience was good.',0,4,'2024-09-22 22:45:37');
INSERT INTO `review` VALUES (13,13,2,'The cleanliness was satisfactory.',0,3.5,'2024-05-22 17:18:56');
INSERT INTO `review` VALUES (14,14,14,'The internet connection was good.',0,4,'2024-06-04 14:37:28');
INSERT INTO `review` VALUES (15,15,7,'The amenities were satisfactory.',0,3.5,'2024-06-30 09:54:11');
INSERT INTO `review` VALUES (16,16,6,'Value for money was decent.',0,4,'2024-07-13 08:21:49');
INSERT INTO `review` VALUES (17,17,11,'Noise levels were acceptable.',0,4,'2024-07-29 13:45:03');
INSERT INTO `review` VALUES (18,18,20,'Overall experience was average.',0,3.5,'2024-08-05 16:38:27');
INSERT INTO `review` VALUES (19,19,9,'Safety was satisfactory.',0,4,'2024-08-19 10:07:59');
INSERT INTO `review` VALUES (20,20,8,'Comfort was good.',1,4.5,'2024-09-02 07:23:41');
```

review_type

```
INSERT INTO `review_type` VALUES (1,'Rating','Numeric rating based on guest feedback');
INSERT INTO `review_type` VALUES (2,'Cleanliness','Assessment of the property's cleanliness');
INSERT INTO `review_type` VALUES (3,'Communication','Evaluation of host communication');
INSERT INTO `review_type` VALUES (4,'Check-in Experience','Feedback on the check-in process');
INSERT INTO `review_type` VALUES (5,'Location','Assessment of the property's location');
INSERT INTO `review_type` VALUES (6,'Value for Money','Opinion on the value provided for the price');
INSERT INTO `review_type` VALUES (7,'Amenities','Feedback on available amenities');
INSERT INTO `review_type` VALUES (8,'Comfort','Evaluation of overall comfort level');
INSERT INTO `review_type` VALUES (9,'Safety','Assessment of safety measures');
INSERT INTO `review_type` VALUES (10,'Privacy','Opinion on privacy options');
INSERT INTO `review_type` VALUES (11,'Noise Levels','Feedback on the level of noise');
INSERT INTO `review_type` VALUES (12,'Accessibility','Assessment of accessibility features');
INSERT INTO `review_type` VALUES (13,'Guest Interaction','Evaluation of host-guest interactions');
INSERT INTO `review_type` VALUES (14,'Internet/Wi-Fi','Feedback on internet/Wi-Fi quality');
INSERT INTO `review_type` VALUES (15,'Bathroom Quality','Assessment of bathroom condition');
INSERT INTO `review_type` VALUES (16,'Bed Comfort','Opinion on the comfort of beds');
INSERT INTO `review_type` VALUES (17,'Scenic Views','Evaluation of scenic views');
INSERT INTO `review_type` VALUES (18,'Outdoor Area','Feedback on outdoor spaces');
INSERT INTO `review_type` VALUES (19,'Listing Accuracy','Assessment of listing accuracy');
INSERT INTO `review_type` VALUES (20,'Overall Experience','Opinion on the overall guest experience');
```

social_media

```
INSERT INTO `social_media` VALUES (1,116,'LinkedIn','www.linkedin.com/sophiajones');  
INSERT INTO `social_media` VALUES (2,116,'TikTok','www.tiktok.com/sophiajones');  
INSERT INTO `social_media` VALUES (3,117,'LinkedIn','www.linkedin.com/miataylor');  
INSERT INTO `social_media` VALUES (4,117,'YouTube','www.youtube.com/miataylor');  
INSERT INTO `social_media` VALUES (5,118,'LinkedIn','www.linkedin.com/ethanparker');  
INSERT INTO `social_media` VALUES (6,118,'YouTube','www.youtube.com/ethanparker');  
INSERT INTO `social_media` VALUES (7,119,'LinkedIn','www.linkedin.com/jamesnelson');  
INSERT INTO `social_media` VALUES (8,119,'YouTube','www.youtube.com/jamesnelson');  
INSERT INTO `social_media` VALUES (9,120,'LinkedIn','www.linkedin.com/emiliamoore');  
INSERT INTO `social_media` VALUES (10,120,'TikTok','www.tiktok.com/emiliamoore');  
INSERT INTO `social_media` VALUES (11,121,'LinkedIn','www.linkedin.com/oliviawilliams');  
INSERT INTO `social_media` VALUES (12,121,'TikTok','www.tiktok.com/oliviawilliams');  
INSERT INTO `social_media` VALUES (13,122,'LinkedIn','www.linkedin.com/williamwalker');  
INSERT INTO `social_media` VALUES (14,122,'TikTok','www.tiktok.com/williamwalker');  
INSERT INTO `social_media` VALUES (15,123,'LinkedIn','www.linkedin.com/avawhite');  
INSERT INTO `social_media` VALUES (16,123,'TikTok','www.tiktok.com/avawhite');  
INSERT INTO `social_media` VALUES (17,124,'LinkedIn','www.linkedin.com/noahmartinez');  
INSERT INTO `social_media` VALUES (18,124,'TikTok','www.tiktok.com/noahmartinez');  
INSERT INTO `social_media` VALUES (19,125,'LinkedIn','www.linkedin.com/harperscott');  
INSERT INTO `social_media` VALUES (20,125,'TikTok','www.tiktok.com/harperscott');  
INSERT INTO `social_media` VALUES (21,126,'LinkedIn','www.linkedin.com/jacobmartinez');  
INSERT INTO `social_media` VALUES (22,126,'TikTok','www.tiktok.com/jacobmartinez');  
INSERT INTO `social_media` VALUES (23,127,'LinkedIn','www.linkedin.com/chloeturner');  
INSERT INTO `social_media` VALUES (24,127,'TikTok','www.tiktok.com/chloeturner');  
INSERT INTO `social_media` VALUES (25,128,'LinkedIn','www.linkedin.com/oliviaschmidt');  
INSERT INTO `social_media` VALUES (26,128,'TikTok','www.tiktok.com/oliviaschmidt');  
INSERT INTO `social_media` VALUES (27,129,'LinkedIn','www.linkedin.com/sophiafernandez');  
INSERT INTO `social_media` VALUES (28,129,'TikTok','www.tiktok.com/sophiafernandez');  
INSERT INTO `social_media` VALUES (29,130,'LinkedIn','www.linkedin.com/ryankim');  
INSERT INTO `social_media` VALUES (30,130,'TikTok','www.tiktok.com/ryankim');  
INSERT INTO `social_media` VALUES (31,131,'LinkedIn','www.linkedin.com/isabellacosta');  
INSERT INTO `social_media` VALUES (32,131,'TikTok','www.tiktok.com/isabellacosta');  
INSERT INTO `social_media` VALUES (33,132,'LinkedIn','www.linkedin.com/ethantsaisingh');  
INSERT INTO `social_media` VALUES (34,132,'TikTok','www.tiktok.com/ethantsaisingh');  
INSERT INTO `social_media` VALUES (35,133,'LinkedIn','www.linkedin.com/mialopes');  
INSERT INTO `social_media` VALUES (36,133,'TikTok','www.tiktok.com/mialopes');  
INSERT INTO `social_media` VALUES (37,134,'LinkedIn','www.linkedin.com/alexanderpetrov');  
INSERT INTO `social_media` VALUES (38,134,'TikTok','www.tiktok.com/alexanderpetrov');  
INSERT INTO `social_media` VALUES (39,135,'LinkedIn','www.linkedin.com/emiliakim');  
INSERT INTO `social_media` VALUES (40,135,'TikTok','www.tiktok.com/emiliakim');
```



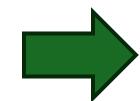
```
INSERT INTO `social_media` VALUES (41,136,'LinkedIn','www.linkedin.com/liamjohnson');  
INSERT INTO `social_media` VALUES (42,136,'TikTok','www.tiktok.com/liamjohnson');  
INSERT INTO `social_media` VALUES (43,137,'LinkedIn','www.linkedin.com/emmamoller');  
INSERT INTO `social_media` VALUES (44,137,'TikTok','www.tiktok.com/emmamoller');  
INSERT INTO `social_media` VALUES (45,138,'LinkedIn','www.linkedin.com/horishitanaka');  
INSERT INTO `social_media` VALUES (46,138,'TikTok','www.tiktok.com/horishitanaka');  
INSERT INTO `social_media` VALUES (47,139,'LinkedIn','www.linkedin.com/freyasmith');  
INSERT INTO `social_media` VALUES (48,139,'TikTok','www.tiktok.com/freyasmith');  
INSERT INTO `social_media` VALUES (49,140,'LinkedIn','www.linkedin.com/olivianielsen');  
INSERT INTO `social_media` VALUES (50,140,'TikTok','www.tiktok.com/olivianielsen');  
INSERT INTO `social_media` VALUES (51,141,'LinkedIn','www.linkedin.com/yukisuzuki');  
INSERT INTO `social_media` VALUES (52,141,'TikTok','www.tiktok.com/yukisuzuki');  
INSERT INTO `social_media` VALUES (53,142,'LinkedIn','www.linkedin.com/edenanderson');  
INSERT INTO `social_media` VALUES (54,142,'TikTok','www.tiktok.com/edenanderson');  
INSERT INTO `social_media` VALUES (55,143,'LinkedIn','www.linkedin.com/majensen');  
INSERT INTO `social_media` VALUES (56,143,'TikTok','www.tiktok.com/majensen');  
INSERT INTO `social_media` VALUES (57,144,'LinkedIn','www.linkedin.com/harutoyamamoto');  
INSERT INTO `social_media` VALUES (58,144,'TikTok','www.tiktok.com/harutoyamamoto');  
INSERT INTO `social_media` VALUES (59,145,'LinkedIn','www.linkedin.com/avaolsen');  
INSERT INTO `social_media` VALUES (60,145,'TikTok','www.tiktok.com/avaolsen');  
INSERT INTO `social_media` VALUES (61,146,'LinkedIn','www.linkedin.com/liamthompson');  
INSERT INTO `social_media` VALUES (62,146,'TikTok','www.tiktok.com/liamthompson');  
INSERT INTO `social_media` VALUES (63,147,'LinkedIn','www.linkedin.com/ellachristensen');  
INSERT INTO `social_media` VALUES (64,147,'TikTok','www.tiktok.com/ellachristensen');  
INSERT INTO `social_media` VALUES (65,148,'LinkedIn','www.linkedin.com/yuzowatanabe');  
INSERT INTO `social_media` VALUES (66,148,'TikTok','www.tiktok.com/yuzowatanabe');  
INSERT INTO `social_media` VALUES (67,149,'LinkedIn','www.linkedin.com/emilyhansen');  
INSERT INTO `social_media` VALUES (68,149,'TikTok','www.tiktok.com/emilyhansen');  
INSERT INTO `social_media` VALUES (69,150,'LinkedIn','www.linkedin.com/hugopatterson');  
INSERT INTO `social_media` VALUES (70,150,'TikTok','www.tiktok.com/hugopatterson');  
INSERT INTO `social_media` VALUES (71,151,'LinkedIn','www.linkedin.com/arialassen');  
INSERT INTO `social_media` VALUES (72,151,'TikTok','www.tiktok.com/arialassen');  
INSERT INTO `social_media` VALUES (73,152,'LinkedIn','www.linkedin.com/kaitokobayashi');  
INSERT INTO `social_media` VALUES (74,153,'LinkedIn','www.linkedin.com/avajogenson');  
INSERT INTO `social_media` VALUES (75,154,NULL,NULL);  
INSERT INTO `social_media` VALUES (76,155,NULL,NULL);  
INSERT INTO `social_media` VALUES (77,156,NULL,NULL);
```

User

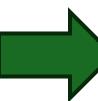
```
INSERT INTO `user` VALUES (116,'Sophia','Jones','Female','1995-05-30','sophia.jones@example.com','sophia95','+81 123-456-7890','SophiaJones#95',1,'2024-04-16 03:14:00','Hosting with warmth and hospitality.');?>
INSERT INTO `user` VALUES (117,'Mia','Taylor','Female','1984-11-20','mia.taylor@example.com','mia84','+1 345-678-9012','MiaTaylor84$',1,'2024-04-10 03:15:00','Providing comfortable stays with personalized experiences.');?>
INSERT INTO `user` VALUES (118,'Ethan','Parker','Male','1985-12-01','ethan.parker@example.com','ethan85','+1 987-654-3210','EthanParker85$',1,'2024-04-05 03:16:00','Hosting with a focus on comfort and hospitality.');?>
INSERT INTO `user` VALUES (119,'James','Nelson','Male','1990-07-10','james.nelson@example.com','james90','+86 765 4321 0987','JamesNelson90$',1,'2024-04-07 03:17:00','Hosting travelers and sharing local insights.');?>
INSERT INTO `user` VALUES (120,'Amelia','Moore','Female','1987-09-15','amelia.moore@example.com','amelia87','+81 876-543-2109','AmeliaMoore87$',1,'2024-04-06 03:18:00','Providing a cozy stay experience for guests.');?>
INSERT INTO `user` VALUES (121,'Olivia','Williams','Female','1992-11-18','olivia.williams@example.com','olivia92','+61 1234 5678','Olivia#92',1,'2024-04-18 03:19:00','Welcoming guests with a friendly atmosphere.');?>
INSERT INTO `user` VALUES (122,'William','Walker','Male','1996-01-15','william.walker@example.com','william96','+44 8765 4321','WilliamWalker96$',1,'2024-04-08 03:20:00','Sharing local tips and recommendations with guests.');?>
INSERT INTO `user` VALUES (123,'Ava','White','Female','1991-06-18','ava.white@example.com','ava91','+86 987 6543 2109','AvaWhite91$',1,'2024-04-12 03:21:00','Hospitality enthusiast and travel lover.');?>
INSERT INTO `user` VALUES (124,'Noah','Martinez','Male','1991-11-30','noah.martinez@example.com','noah91','+81 234-567-8901','NoahMartinez91$',1,'2024-04-02 03:22:00','Hosting with a passion for cultural exchange.');?>
INSERT INTO `user` VALUES (125,'Harper','Scott','Female','1990-02-10','harper.scott@example.com','harper90','+86 234 5678 9012','HarperScott90$',1,'2024-03-28 03:23:00','Offering a comfortable and relaxing stay for guests.');?>
INSERT INTO `user` VALUES (126,'Jacob','Martinez','Male','1987-09-05','jacob.martinez@example.com','jacob87','+1 234-567-8901','JacobMartinez87$',1,'2024-04-15 03:24:00','Creating memorable stays with personalized experiences.');?>
INSERT INTO `user` VALUES (127,'Chloe','Turner','Female','1993-08-20','chloe.turner@example.com','chloe93','+1 567-890-1234','ChloeTurner93$',1,'2024-04-19 03:25:00','Enjoys exploring new cuisines and cultures.');?>
INSERT INTO `user` VALUES (128,'Oliver','Schmidt','Male','1988-05-15','oliver.schmidt@example.com','oliver88','+49 1234 567890','OliverSchmidt88$',0,'2024-04-18 03:26:00','Loves outdoor adventures and hiking.');?>
INSERT INTO `user` VALUES (129,'Sofia','Fernandez','Female','1991-11-25','sofia.fernandez@example.com','sofia91','+34 678 901234','SofiaFernandez91$',0,'2024-04-17 03:27:00','Enjoys photography and art.');?>
INSERT INTO `user` VALUES (130,'Ryan','Kim','Male','1995-04-30','ryan.kim@example.com','ryan95','+82 123-456-7890','RyanKim95$',0,'2024-04-16 03:28:00','Passionate about technology and gaming.');?>
INSERT INTO `user` VALUES (131,'Isabella','Costa','Female','1990-12-10','isabella.costa@example.com','isabella90','+55 1234 567890','IsabellaCosta90$',0,'2024-04-15 03:29:00','Enjoys reading and writing poetry.');?>
INSERT INTO `user` VALUES (132,'Ethan','Singh','Male','1987-09-05','ethan.singh@example.com','ethan87','+91 98765 43210','EthanSingh87$',1,'2024-04-14 03:30:00','Enthusiastic about fitness and wellness.');?>
INSERT INTO `user` VALUES (133,'Mia','Lopes','Female','1986-02-28','mia.lopes@example.com','mia86','+52 123 456 7890','MiaLopes86$',0,'2024-04-13 03:31:00','Enjoys gardening and outdoor activities.');?>
INSERT INTO `user` VALUES (134,'Alexander','Petrov','Male','1993-07-20','alexander.petrov@example.com','alexander93','+7 987 654-32-10','AlexanderPetrov93$',0,'2024-04-12 03:32:00','Avid traveler and history enthusiast.');?>
INSERT INTO `user` VALUES (135,'Amelia','Kim','Female','1989-10-15','amelia.kim@example.com','amelia89','+82 345-678-9012','AmeliaKim89$',0,'2024-04-11 03:33:00','Enjoys cooking and trying new recipes.');?>
INSERT INTO `user` VALUES (136,'Liam','Johnson','Male','1988-09-20','liam.johnson@example.com','liam88','+27 21 123 4567','LiamJohnson88$',1,'2024-04-23 03:34:00','Passionate about wildlife photography.');?>
INSERT INTO `user` VALUES (137,'Emma','Møller','Female','1993-04-15','emma.moller@example.com','emma93','+45 12 345 678','EmmaMoller93$',0,'2024-04-23 03:35:00','Enjoys outdoor activities and hiking.');?>
INSERT INTO `user` VALUES (138,'Hiroshi','Tanaka','Male','1990-08-25','hiroshi.tanaka@example.com','hiroshi90','+81 3-4567-8901','HiroshiTanaka90$',1,'2024-04-23 03:36:00','Loves exploring local cuisines and traditions.');?>
INSERT INTO `user` VALUES (139,'Freya','Smith','Female','1987-12-10','freya.smith@example.com','freya87','+44 20 9876 5432','FreyaSmith87$',0,'2024-04-23 03:37:00','Enjoys painting and visiting art galleries.');?>
INSERT INTO `user` VALUES (140,'Oliver','Nielsen','Male','1994-06-28','oliver.nielsen@example.com','oliver94','+45 23 456 789','OliverNielsen94$',0,'2024-04-23 03:38:00','Passionate about playing musical instruments.');?>
INSERT INTO `user` VALUES (141,'Yuki','Suzuki','Female','1991-03-18','yuki.suzuki@example.com','yuki91','+81 80-1234-5678','YukiSuzuki91$',1,'2024-04-23 03:39:00','Enjoys photography and exploring nature.');?>
INSERT INTO `user` VALUES (142,'Ethan','Andersen','Male','1989-10-05','ethan.andersen@example.com','ethan89','+45 45 678 901','EthanAndersen89$',1,'2024-04-23 03:40:00','Loves outdoor adventures and camping.');?>
INSERT INTO `user` VALUES (143,'Mia','Jensen','Female','1992-07-22','mia.jensen@example.com','mia92','+45 34 567 890','MiaJensen92$',1,'2024-04-23 03:41:00','Enjoys trying new foods and cooking.');?>
INSERT INTO `user` VALUES (144,'Haruto','Yamamoto','Male','1993-11-15','haruto.yamamoto@example.com','haruto93','+81 90-2345-6789','HarutoYamamoto93$',0,'2024-04-23 03:42:00','Passionate about technology and gaming.');?>
INSERT INTO `user` VALUES (145,'Ava','Olsen','Female','1986-05-30','ava.olsen@example.com','ava86','+45 56 789 012','AvaOlsen86$',1,'2024-04-23 03:43:00','Enjoys exploring new cultures and traditions.');?>
INSERT INTO `user` VALUES (146,'Liam','Thompson','Male','1990-02-18','liam.thompson@example.com','liam90','+44 20 1234 5678','LiamThompson90$',1,'2024-04-23 03:44:00','Enjoys outdoor activities and hiking.');?>
INSERT INTO `user` VALUES (147,'Ella','Christensen','Female','1994-09-10','ella.christensen@example.com','ella94','+45 67 890 123','EllaChristensen94$',0,'2024-04-23 03:45:00','Passionate about painting and art.');?>
INSERT INTO `user` VALUES (148,'Yuto','Watanabe','Male','1988-06-25','yuto.watanabe@example.com','yuto88','+81 50-1234-5678','YutoWatanabe88$',1,'2024-04-23 03:46:00','Enjoys cooking and trying new recipes.');?>
INSERT INTO `user` VALUES (149,'Emily','Hansen','Female','1993-12-05','emily.hansen@example.com','emily93','+45 78 901 234','EmilyHansen93$',1,'2024-04-23 03:47:00','Passionate about photography and traveling.');?>
INSERT INTO `user` VALUES (150,'Hugo','Pedersen','Male','1987-08-15','hugo.pedersen@example.com','hugo87','+45 89 012 345','HugoPedersen87$',0,'2024-04-23 03:48:00','Enjoys hiking and exploring nature.');?>
INSERT INTO `user` VALUES (151,'Aria','Larsen','Female','1990-04-20','aria.larsen@example.com','aria90','+45 90 123 456','AriaLarsen90$',1,'2024-04-23 03:49:00','Enjoys reading and writing poetry.');?>
INSERT INTO `user` VALUES (152,'Kaito','Kobayashi','Male','1991-10-08','kaito.kobayashi@example.com','kaito91','+81 70-2345-6789','KaitoKobayashi91$',0,'2024-04-23 03:50:00','Passionate about music and playing guitar.');?>
INSERT INTO `user` VALUES (153,'Eva','Jørgensen','Female','1989-03-28','eva.jorgensen@example.com','eva89','+45 32 456 789','EvaJorgensen89$',1,'2024-04-23 03:51:00','Enjoys cooking and experimenting with new recipes.');?>
INSERT INTO `user` VALUES (154,'Sora','Takahashi','Male','1995-01-12','sora.takahashi@example.com','sora95','+81 80-3456-7890','SoraTakahashi95$',1,'2024-04-23 03:52:00','Passionate about technology and gaming.');?>
INSERT INTO `user` VALUES (155,'Emma','Madsen','Female','1986-07-18','emma.madsen@example.com','emma86','+45 78 901 234','EmmaMadsen86$',0,'2024-04-23 03:53:00','Enjoys painting and exploring art galleries.');?>
INSERT INTO `user` VALUES (156,'Yui','Ito','Female','1988-12-30','yui.ito@example.com','yui88','+81 90-1234-5678','YuiIto88$',1,'2024-04-23 03:54:00','Passionate about cooking and trying new recipes.'));
```

user_language

```
INSERT INTO `user_language` VALUES (1,116,1);
INSERT INTO `user_language` VALUES (2,116,2);
INSERT INTO `user_language` VALUES (3,116,4);
INSERT INTO `user_language` VALUES (4,117,1);
INSERT INTO `user_language` VALUES (5,117,11);
INSERT INTO `user_language` VALUES (6,117,12);
INSERT INTO `user_language` VALUES (7,118,1);
INSERT INTO `user_language` VALUES (8,118,18);
INSERT INTO `user_language` VALUES (9,118,19);
INSERT INTO `user_language` VALUES (10,119,1);
INSERT INTO `user_language` VALUES (11,119,3);
INSERT INTO `user_language` VALUES (12,119,5);
INSERT INTO `user_language` VALUES (13,120,1);
INSERT INTO `user_language` VALUES (14,120,13);
INSERT INTO `user_language` VALUES (15,120,14);
INSERT INTO `user_language` VALUES (16,121,1);
INSERT INTO `user_language` VALUES (17,121,6);
INSERT INTO `user_language` VALUES (18,121,7);
INSERT INTO `user_language` VALUES (19,122,1);
INSERT INTO `user_language` VALUES (20,122,15);
INSERT INTO `user_language` VALUES (21,122,16);
INSERT INTO `user_language` VALUES (22,123,1);
INSERT INTO `user_language` VALUES (23,123,8);
INSERT INTO `user_language` VALUES (24,123,9);
INSERT INTO `user_language` VALUES (25,124,1);
INSERT INTO `user_language` VALUES (26,124,17);
INSERT INTO `user_language` VALUES (27,124,20);
INSERT INTO `user_language` VALUES (28,125,1);
INSERT INTO `user_language` VALUES (29,125,2);
INSERT INTO `user_language` VALUES (30,125,4);
INSERT INTO `user_language` VALUES (31,126,1);
INSERT INTO `user_language` VALUES (32,126,11);
INSERT INTO `user_language` VALUES (33,126,12);
INSERT INTO `user_language` VALUES (34,127,1);
INSERT INTO `user_language` VALUES (35,127,18);
```



```
INSERT INTO `user_language` VALUES (36,127,19);
INSERT INTO `user_language` VALUES (37,128,1);
INSERT INTO `user_language` VALUES (38,128,3);
INSERT INTO `user_language` VALUES (39,128,10);
INSERT INTO `user_language` VALUES (40,129,1);
INSERT INTO `user_language` VALUES (41,129,13);
INSERT INTO `user_language` VALUES (42,129,14);
INSERT INTO `user_language` VALUES (43,130,1);
INSERT INTO `user_language` VALUES (44,130,6);
INSERT INTO `user_language` VALUES (45,130,7);
INSERT INTO `user_language` VALUES (46,131,1);
INSERT INTO `user_language` VALUES (47,131,15);
INSERT INTO `user_language` VALUES (48,131,16);
INSERT INTO `user_language` VALUES (49,132,1);
INSERT INTO `user_language` VALUES (50,132,8);
INSERT INTO `user_language` VALUES (51,132,9);
INSERT INTO `user_language` VALUES (52,133,1);
INSERT INTO `user_language` VALUES (53,133,17);
INSERT INTO `user_language` VALUES (54,133,20);
INSERT INTO `user_language` VALUES (55,134,1);
INSERT INTO `user_language` VALUES (56,134,2);
INSERT INTO `user_language` VALUES (57,134,4);
INSERT INTO `user_language` VALUES (58,135,1);
INSERT INTO `user_language` VALUES (59,135,11);
INSERT INTO `user_language` VALUES (60,135,12);
INSERT INTO `user_language` VALUES (61,136,1);
INSERT INTO `user_language` VALUES (62,136,18);
INSERT INTO `user_language` VALUES (63,136,19);
INSERT INTO `user_language` VALUES (64,137,1);
INSERT INTO `user_language` VALUES (65,137,3);
INSERT INTO `user_language` VALUES (66,137,5);
INSERT INTO `user_language` VALUES (67,138,1);
INSERT INTO `user_language` VALUES (68,138,13);
INSERT INTO `user_language` VALUES (69,138,14);
INSERT INTO `user_language` VALUES (70,139,1);
```



```
INSERT INTO `user_language` VALUES (71,139,6);
INSERT INTO `user_language` VALUES (72,139,7);
INSERT INTO `user_language` VALUES (73,140,1);
INSERT INTO `user_language` VALUES (74,140,15);
INSERT INTO `user_language` VALUES (75,140,16);
INSERT INTO `user_language` VALUES (76,141,1);
INSERT INTO `user_language` VALUES (77,141,8);
INSERT INTO `user_language` VALUES (78,141,9);
INSERT INTO `user_language` VALUES (79,142,1);
INSERT INTO `user_language` VALUES (80,142,17);
INSERT INTO `user_language` VALUES (81,142,20);
INSERT INTO `user_language` VALUES (82,143,1);
INSERT INTO `user_language` VALUES (83,143,2);
INSERT INTO `user_language` VALUES (84,143,4);
INSERT INTO `user_language` VALUES (85,144,1);
INSERT INTO `user_language` VALUES (86,144,11);
INSERT INTO `user_language` VALUES (87,144,12);
INSERT INTO `user_language` VALUES (88,145,1);
INSERT INTO `user_language` VALUES (89,145,18);
INSERT INTO `user_language` VALUES (90,145,19);
INSERT INTO `user_language` VALUES (91,146,1);
INSERT INTO `user_language` VALUES (92,146,3);
INSERT INTO `user_language` VALUES (93,146,5);
INSERT INTO `user_language` VALUES (94,147,1);
INSERT INTO `user_language` VALUES (95,147,13);
INSERT INTO `user_language` VALUES (96,147,14);
INSERT INTO `user_language` VALUES (97,148,1);
INSERT INTO `user_language` VALUES (98,148,6);
INSERT INTO `user_language` VALUES (99,148,7);
INSERT INTO `user_language` VALUES (100,149,1);
INSERT INTO `user_language` VALUES (101,149,15);
INSERT INTO `user_language` VALUES (102,149,16);
INSERT INTO `user_language` VALUES (103,150,1);
INSERT INTO `user_language` VALUES (104,150,8);
INSERT INTO `user_language` VALUES (105,150,9);
INSERT INTO `user_language` VALUES (106,151,1);
INSERT INTO `user_language` VALUES (107,151,17);
INSERT INTO `user_language` VALUES (108,151,20);
INSERT INTO `user_language` VALUES (109,152,1);
INSERT INTO `user_language` VALUES (110,152,2);
INSERT INTO `user_language` VALUES (111,152,4);
INSERT INTO `user_language` VALUES (112,153,1);
INSERT INTO `user_language` VALUES (113,153,11);
INSERT INTO `user_language` VALUES (114,153,12);
INSERT INTO `user_language` VALUES (115,154,1);
INSERT INTO `user_language` VALUES (116,154,18);
INSERT INTO `user_language` VALUES (117,154,19);
INSERT INTO `user_language` VALUES (118,155,1);
INSERT INTO `user_language` VALUES (119,155,3);
INSERT INTO `user_language` VALUES (120,155,5);
INSERT INTO `user_language` VALUES (121,156,1);
INSERT INTO `user_language` VALUES (122,156,13);
INSERT INTO `user_language` VALUES (123,156,14);63
```

voucher

```
INSERT INTO `voucher` VALUES (1,'Welcome Discount','WELCOME2024',15.00,500.00,'2024-06-30','2024-02-15');
INSERT INTO `voucher` VALUES (2,'Spring Sale','SPRINGSALE22',20.00,800.00,'2024-04-30','2024-03-10');
INSERT INTO `voucher` VALUES (3,'Family Vacation Discount','FAMILYVACAY',10.00,1000.00,'2024-07-31','2024-03-25');
INSERT INTO `voucher` VALUES (4,'Summer Special','SUMMERSALE24',25.00,700.00,'2024-09-30','2024-04-05');
INSERT INTO `voucher` VALUES (5,'Last Minute Deal','LASTCHANCE24',30.00,400.00,'2024-05-15','2024-04-10');
INSERT INTO `voucher` VALUES (6,'Anniversary Celebration','ANNIVERSARY2024',20.00,1000.00,'2024-08-31','2024-04-20');
INSERT INTO `voucher` VALUES (7,'Winter Escape','WINTERGETAWAY',15.00,600.00,'2024-11-29','2024-04-25');
INSERT INTO `voucher` VALUES (8,'Student Discount','STUDENTDEAL24',10.00,300.00,'2024-06-15','2024-05-01');
INSERT INTO `voucher` VALUES (9,'Weekend Retreat','WEEKENDBLISS24',20.00,900.00,'2024-10-31','2024-05-10');
INSERT INTO `voucher` VALUES (10,'Birthday Bash Discount','BDAYDISC24',25.00,1200.00,'2024-07-15','2024-05-15');
INSERT INTO `voucher` VALUES (11,'Holiday Bonanza','HOLIDAYFUN',30.00,1500.00,'2024-12-15','2024-05-20');
INSERT INTO `voucher` VALUES (12,'Family Reunion Discount','FAMILYREUNION',15.00,800.00,'2024-08-15','2024-06-01');
INSERT INTO `voucher` VALUES (13,'Back to School Savings','BACKTOSCHOOL24',10.00,500.00,'2024-09-15','2024-06-10');
INSERT INTO `voucher` VALUES (14,'Romantic Getaway Discount','ROMANTICBLISS24',20.00,700.00,'2024-10-15','2024-06-15');
INSERT INTO `voucher` VALUES (15,'Adventure Seekers Deal','ADVENTURE2024',25.00,1000.00,'2024-11-15','2024-06-20');
INSERT INTO `voucher` VALUES (16,'Business Travel Discount','BIZTRIP24',15.00,400.00,'2024-12-30','2024-07-01');
INSERT INTO `voucher` VALUES (17,'Wellness Retreat Offer','WELLNESSBLISS24',20.00,800.00,'2024-09-30','2024-07-05');
INSERT INTO `voucher` VALUES (18,'Pet-Friendly Stay Discount','PETLOVERS2024',15.00,600.00,'2024-10-30','2024-07-10');
INSERT INTO `voucher` VALUES (19,'Summer Vacation Deal','SUMMERFUN24',25.00,900.00,'2024-11-30','2024-07-15');
INSERT INTO `voucher` VALUES (20,'Exclusive Member Discount','MEMBERVIP24',30.00,1000.00,'2024-12-30','2024-03-27');
```

Test-Case

- Test Case 1: User Review Analysis

```
1 -- Test Case 1: User Review Analysis
2 * SELECT
3     u.first_name,
4     u.last_name,
5     rt.type_name,
6     r.comment
7   FROM
8     review r
9   JOIN
10    reservations res ON r.reservation_id = res.reservation_id
11   JOIN
12    user u ON res.user_id = u.id
13   JOIN
14    review_type rt ON r.review_type_id = rt.id
15   WHERE
16     res.property_id = property_id;
```

first_name	last_name	type_name	comment
Ava	Olsen	Internet/Wi-Fi	The internet connection was good.
Ava	Olsen	Cleanliness	Excellent communication.
Freya	Smith	Accessibility	Good accessibility.
Amelia	Kim	Guest Interaction	Satisfactory guest interaction.
Yui	Ito	Bed Comfort	Average bed comfort.
Amelia	Moore	Internet/Wi-Fi	The internet connection was good.
Amelia	Moore	Safety	Safety was satisfactory.
Oliver	Schmidt	Safety	Safety was satisfactory.
Olivia	Williams	Location	Location was good.
Sophia	Jones	Safety	Safety was satisfactory.
James	Nelson	Privacy	Privacy was good.
James	Nelson	Check-in Experience	Check-in experience was good.
Olivia	Williams	Cleanliness	The cleanliness was satisfactory.
Isabella	Costa	Internet/Wi-Fi	The internet connection was good.
Freya	Smith	Amenities	The amenities were satisfactory.
Chloe	Turner	Value for Money	Value for money was decent.
Ethan	Parker	Noise Levels	Noise levels were acceptable.
Ava	White	Overall Experience	Overall experience was average.
Jacob	Martinez	Safety	Safety was satisfactory.
Eva	Jørgensen	Comfort	Comfort was good.

Analyzing user reviews for a property.

Test Case 2: Property Performance Analysis

```
19    -- Test Case 2: Property Performance Analysis
20  WITH ReviewStats AS (
21      SELECT
22          id,
23          AVG(rating) AS avg_rating,
24          COUNT(*) AS num_reviews
25      FROM review
26      GROUP BY id
27  ),
28  BookingStats AS (
29      SELECT
30          r.property_id,
31          COUNT(*) AS num_bookings,
32          SUM(r.rate_per_day * r.duration) AS total_revenue
33      FROM reservations r
34      GROUP BY r.property_id
35  )
36  SELECT
37      p.id AS property_id,
38      p.name AS property_name,
39      rs.avg_rating,
40      rs.num_reviews,
41      bs.num_bookings,
42      bs.total_revenue
43  FROM property p
44  LEFT JOIN ReviewStats rs ON p.id = rs.id
45  LEFT JOIN BookingStats bs ON p.id = bs.property_id
46  ORDER BY p.id;
```

property_id	property_name	avg_rating	num_reviews	num_bookings	total_revenue
1	Lakeside Retreat	3.5	1	1	800
2	Mountain View Cabin	5	1	1	540
3	Urban Loft	4	1	1	1100
4	Seaside Villa	3	1	1	1140
5	Riverside Retreat	3.5	1	1	1750
6	Forest Cabin Escape	4	1	1	640
7	City View Condo	4	1	1	600
8	Coastal Bungalow	4.5	1	1	900
9	Downtown Loft	4	1	1	240
10	Beachfront Villa	4	1	1	900
11	Country Cottage	4.5	1	2	1490
12	Mountain Chalet	4	1	1	660
13	Lakefront Lodge	3.5	1	1	1000
14	City Center Apartm...	4	1	1	640
15	Lakeview Cabin	3.5	1	1	980
16	Riverfront Retreat	4	1	1	300
17	Rural Farmhouse	4	1	1	780
18	Beachside Bungalow	3.5	1	1	220
19	Urban Oasis	4	1	2	1040
20	Riverfront Cottage	4.5	1	2	1680
21	Downtown Penthouse	NULL	NULL	1	1400
22	City Skyline View Ap...	NULL	NULL	NULL	NULL
23	Rural Retreat	NULL	NULL	NULL	NULL
24	Hillside Hideaway	NULL	NULL	NULL	NULL
25	Coastal Cottage	NULL	NULL	NULL	NULL
26	Oceanfront Retreat	NULL	NULL	NULL	NULL
27	Lakeview Lodge	NULL	NULL	NULL	NULL
28	Urban View Studio	NULL	NULL	NULL	NULL
29	New Properti...	NULL	NULL	NULL	NULL

Analyzes the performance of properties based on reviews and bookings.

Test Case 3: Reservation and Payment Analysis

```
52  
53      -- Test Case 3: Reservation and Payment Analysis  
54 •  SELECT  
55          COUNT(DISTINCT p.reservation_id) AS total_reservations,  
56          SUM(p.total_paid) AS total_amount_paid  
57      FROM  
58          payment p  
59      LEFT JOIN  
60          reservations r ON p.reservation_id = r.reservation_id  
61      LEFT JOIN  
62          property prop ON r.property_id = prop.id;  
63  
64
```

The screenshot shows a MySQL query results window. At the top, there are buttons for 'Result Grid' (selected), 'Filter Rows', 'Export' (with icons for CSV and PDF), and 'Wrap Cell Content'. The results table has two columns: 'total_reservations' and 'total_amount_paid'. A single row is shown with values 24 and 21153.50 respectively.

	total_reservations	total_amount_paid
▶	24	21153.50

The "Reservation and Payment Analysis" test case involves examining reservation and payment data from Airbnb. The analysis provides insights into reservation trends and revenue sources, aiding in decision-making for Airbnb.

Test case 4: Review Sentiment Categorization

```
66
67  -- Test case 4: Review Sentiment Categorization
68 •  SELECT
69      id,
70      reservation_id,
71      rating,
72      comment,
73      CASE
74          WHEN rating >= 4 THEN 'Positive'
75          WHEN rating < 4 AND rating >= 3 THEN 'Neutral'
76          ELSE 'Negative'
77      END AS sentiment
78  FROM
79      review;
```

	Result Grid	Filter Rows:	Export:	Wrap Cell Contents:	
	id	reservation_id	rating	comment	sentiment
▶	1	1	3.5	The internet connection was good.	Neutral
	2	2	5	Excellent communication.	Positive
	3	3	4	Good accessibility.	Positive
	4	4	3	Satisfactory guest interaction.	Neutral
	5	5	3.5	Average bed comfort.	Neutral
	6	6	4	The internet connection was good.	Positive
	7	7	4	Safety was satisfactory.	Positive
	8	8	4.5	Safety was satisfactory.	Positive
	9	9	4	Location was good.	Positive
	10	10	4	Safety was satisfactory.	Positive
	11	11	4.5	Privacy was good.	Positive
	12	12	4	Check-in experience was good.	Positive
	13	13	3.5	The cleanliness was satisfactory.	Neutral
	14	14	4	The internet connection was good.	Positive
	15	15	3.5	The amenities were satisfactory.	Neutral
	16	16	4	Value for money was decent.	Positive
	17	17	4	Noise levels were acceptable.	Positive
	18	18	3.5	Overall experience was average.	Neutral
	19	19	4	Safety was satisfactory.	Positive
	20	20	4.5	Comfort was good.	Positive

Categorizes reviews based on sentiment (positive, neutral, negative) using the review's rating and comment

THANK YOU!

FINALISATION PHASE

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Matriculation Number: 92124436

Course: DLBDSPBDM01

Submission date: 2024/03/25

Tutor: Musharaf Doge

Bringing Hospitality to New Heights: An Ingenious Airbnb Data Mart

1. Overview

Online hotel reservation platforms have completely transformed the travel business by offering a quick and easy way to book lodging. Forecasts reveal a notable upward trend for the worldwide online hotel reservation industry, highlighting the noteworthy economic impact of these platforms. One of the leaders in this field, Airbnb, provides a variety of unusual lodging options, including houseboats, historic homes, and treehouses. Personalized interactions and recommendations are fostered by facilitating direct connection between hosts and visitors. Streamlining data analysis and reporting using a data mart will improve strategic planning and decision-making in the online hotel booking industry. The goal of this project is to create a data mart that draws inspiration from the unique features and design concepts of Airbnb.

1.1 Goal

The goal of this project is to create a data mart that mimics the features of the hotel booking engine used by Airbnb. Using MySQL as the database management system and MySQL Workbench to create the core data structures, the goal is to create a user-friendly, scalable Airbnb DataMart.

1.2 Approach

The project used a methodical approach and a structured development methodology:

- A) Conceptual Design: Using MySQL Workbench's Entity Relationship (ER) model, identify the key data entities (including properties, users, hosts, bookings, and reviews) and how they relate to one another.
- B) Database Schema Development: This process involves utilizing MySQL Workbench to translate the ER model into a workable database schema. It includes creating tables, defining data types, and putting in place foreign key constraints to guarantee data integrity.
- C) Data Population: Generation of sample data
- D) Testing and Improvement: Carrying out thorough functional testing in a range of scenarios. Iterative refinement was carried out to maximize performance and fix any flaws based on the results.

1.3 Functionality of Database Management

The user-friendly data management system, which takes its cues from Airbnb, is centered on two main elements: listings and users. Listings provide travelers with important details such as address, kind of property, features, availability, cost, and photos. User data includes detailed profiles with basic information and account classification (guest/host). The system also keeps track of user-generated ratings, reviews, and booking histories, which promotes a feeling of community and user

trust. Notable attributes encompass user-friendly search functions, smooth reservation procedures, transparent evaluation platforms, uncomplicated payment methods, direct communication channels, and continuous improvements determined by metrics pertaining to user engagement.

2. Schema Analysis of Airbnb

Using the query '*SHOW TABLE STATUS FROM airbnb*' allowed for a more thorough analysis of the size of the Airbnb database. This data, which describes each table and has about thirty-two entries, is kept in a comma-separated values (CSV) file that can be downloaded from the finalization directory. Below are some more details on the Airbnb schema.

1	Name	Engine	Rows	Avg_row_length	Data_length	Index_length	Create_time
2	access_level	InnoDB	20	819	16384	0	2024/04/22 17:02
3	access_level_operations	InnoDB	29	564	16384	32768	2024/04/22 17:02
4	address	InnoDB	29	564	16384	32768	2024/04/23 01:44
5	admin	InnoDB	139	117	16384	32768	2024/04/22 17:02
6	allowed_operations	InnoDB	28	585	16384	0	2024/04/22 17:02
7	amenity	InnoDB	25	655	16384	16384	2024/04/22 17:00
8	amenity_category	InnoDB	20	819	16384	16384	2024/04/22 16:59
9	country	InnoDB	25	655	16384	16384	2024/04/22 16:57
10	district	InnoDB	25	655	16384	16384	2024/04/22 16:58
11	guest	InnoDB	41	399	16384	32768	2024/04/22 17:02
12	guest_reservations	InnoDB	26	630	16384	32768	2024/04/22 16:59
13	guest_types	InnoDB	20	819	16384	0	2024/04/22 16:59
14	host	InnoDB	26	630	16384	32768	2024/04/22 16:57
15	language	InnoDB	20	819	16384	16384	2024/04/22 17:01
16	messages	InnoDB	27	606	16384	32768	2024/04/22 17:00
17	payment	InnoDB	24	682	16384	32768	2024/04/22 17:01
18	property	InnoDB	29	564	16384	65536	2024/04/22 16:58
19	property_amenity	InnoDB	32	512	16384	32768	2024/04/22 17:00
20	property_availability	InnoDB	29	564	16384	16384	2024/04/22 17:00
21	property_category	InnoDB	26	630	16384	32768	2024/04/22 16:58
22	property_images	InnoDB	35	468	16384	16384	2024/04/22 17:00
23	property_review	InnoDB	25	655	16384	32768	2024/04/22 17:00
24	property_type	InnoDB	20	819	16384	16384	2024/04/22 16:57
25	region	InnoDB	25	655	16384	32768	2024/04/22 16:57
26	reservations	InnoDB	24	682	16384	32768	2024/04/22 17:10
27	review	InnoDB	20	819	16384	32768	2024/04/22 16:59
28	review_type	InnoDB	20	819	16384	0	2024/04/22 16:53
29	social_media	InnoDB	77	212	16384	16384	2024/04/23 12:49
30	user	InnoDB	41	399	16384	49152	2024/04/22 16:56
31	user_language	InnoDB	123	133	16384	32768	2024/04/22 17:01
32	user_preferred_guest_type	InnoDB	41	399	16384	32768	2024/04/25 03:53
33	voucher	InnoDB	20	819	16384	16384	2024/04/22 17:01

3. In summary

33 tables make up the data mart's final setup, which integrates key features like property management tools, booking administration, review management, and reservation filtering. The design and optimization of the data schema were made possible using MySQL Workbench, which also made it possible to create, visualize, and improve the 33 tables. Important insights emerged from the process, including the importance of a clearly defined ER model, the need to carefully analyze the sorts of data that are used, and the effectiveness of extensive testing.

Project GitHub Repository: https://github.com/CRMawande/airbnb_datamart_iubh.git