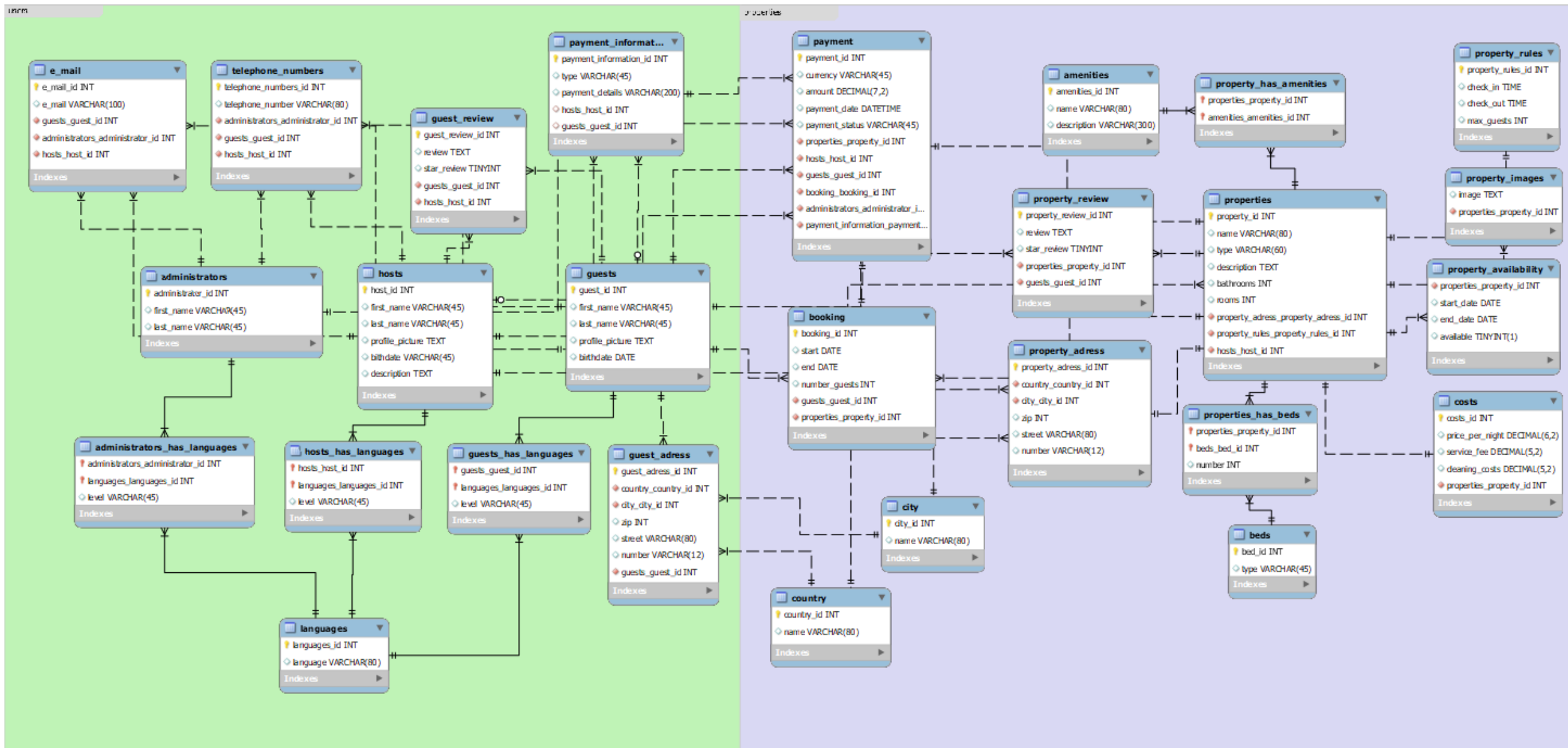




Airbnb Database Project



guests

- CREATE TABLE guests (guest_id INT NOT NULL AUTO_INCREMENT, first_name VARCHAR(45) NULL, last_name VARCHAR(45) NULL, profile_picture TEXT NULL, birthdate DATE NULL, PRIMARY KEY (`guest_id`));
- INSERT INTO guests (1,'Alexander','Ulbin','https://drive.google.com/file/d/1ARjdORqx5aTn2byu59sPR4N4Yw3cdUiR/view?usp=share_link','1983-05-18'),(2,'Marija','Jovanovic','https://drive.google.com/file/d/1BYKTE5kGbsbgT3dMDwf9jtMqF4nGP6pr/view?usp=share_link','1990-06-18'),(3,'Stefan','Klaus','https://drive.google.com/file/d/1xYHFDFArASwEvRsU8UlxZm786qDwHL_o/view?usp=share_link','1995-06-01'),(4,'Florian','Potter','https://drive.google.com/file/d/157SBHW00uXgU_QBhYFia8KMutulsNYHH/view?usp=share_link','1994-02-06'),(5,'Drazen','Suljanovic','https://drive.google.com/file/d/1NVvqklvB6-XqtNJJ36LV-7jUBg9vIFu5/view?usp=share_link','1994-07-04'),(6,'Sebastian','Rosenmayr','https://drive.google.com/file/d/1NB7ZTzvV4fb8WVOJYXwofXevDisO61N2/view?usp=share_link','1999-01-30'),(7,'Anna','Theresia','https://drive.google.com/file/d/1ZSe2b4qYkOHkeCHre-_OhrWnN1RtCgNT/view?usp=share_link','1998-02-07'),(8,'Jürgen','Jochen','https://drive.google.com/file/d/1DeTA5Ev1HXA8O-nS0AuA1Pfp4T2An6Tr/view?usp=share_link','1964-05-16'),(9,'Theresia','Stranger','https://drive.google.com/file/d/1T1_5plP9QGyx1XA99oe4vgW8qpBypGek/view?usp=share_link','1951-02-09'),(10,'Alois','Schuhmacher','https://drive.google.com/file/d/1DeTA5Ev1HXA8O-nS0AuA1Pfp4T2An6Tr/view?usp=share_link','1964-12-12'),(11,'Emilia','Ackermann','https://drive.google.com/file/d/1pqrrqJJ9t-FbuaQg4XO2Uf60jefZOCzL/view?usp=share_link','2001-04-25'),(12,'Patricia','Riese','https://drive.google.com/file/d/1TIVMrJMXu4tgSbkqWZ60lowk2OTVDLtt/view?usp=share_link','2002-04-01'),(13,'Elisabeth','Jencio','https://drive.google.com/file/d/1kjE1tOmSn4dUCEjrravgatGALnlGub4/view?usp=share_link','1997-06-04'),(14,'Karner','Gerald','https://drive.google.com/file/d/1p4eh8pslyBOKfMqgEqXmHBiiMjAzN9Kb/view?usp=share_link','1990-04-18'),(15,'Herbert','Triest','https://drive.google.com/file/d/1NVvqklvB6-XqtNJJ36LV-7jUBg9vIFu5/view?usp=share_link','1992-07-08'),(16,'Sibila','Wirr','https://drive.google.com/file/d/1ufOAg8VwXs6qus0PNQdA29Sg7JBGOMFh/view?usp=share_link','1987-01-25'),(17,'Anton','Ratte','https://drive.google.com/file/d/1oMscjY8adMYqowy-fqW59eruWLj77OZG/view?usp=share_link','2001-11-07'),(18,'Emilio','Trigbert','https://drive.google.com/file/d/1zzBWLwJ6U7K43_xlOKTE3xX-E1b3OLMP/view?usp=share_link','1977-04-06'),(19,'Reiner','Winkler','https://drive.google.com/file/d/1Kk-JGfjc36tNBvV0_AorAhJ6FU5eFjin/view?usp=share_link','1974-05-06'),(20,'Anton','Becker','https://drive.google.com/file/d/1_vuK41NJExTKbCtxNrynSd3DdEI4uNvk/view?usp=share_link','1991-11-24'),(21,'Arthur','Hubert','https://drive.google.com/file/d/1cLjsfYJSY2DsraqIsAwvX77Z-3r3fAXE/view?usp=share_link','1968-12-12'),(22,'Anna','Gammler','https://drive.google.com/file/d/1ufOAg8VwXs6qus0PNQdA29Sg7JBGOMFh/view?usp=share_link','1997-02-17'),(23,'Jaqueline','Witter','https://drive.google.com/file/d/1ZqdaG-lvP8Zyjfuegt8IFWffSs08dGre/view?usp=share_link','1984-09-26');

guests Test Case

```
1 • SELECT profile_picture FROM guests WHERE guest_id = 5;  
2
```

	profile_picture
▶	https://drive.google.com/file/d/1NVvqklvB6-XqtNJJ36LV-7jUBg9vIFu5/view?usp=share_link



hosts

```
CREATE TABLE hosts (host_id int NOT NULL AUTO_INCREMENT, first_name varchar(45) DEFAULT NULL, last_name varchar(45) DEFAULT NULL, profile_picture text, birthdate varchar(45) DEFAULT NULL, description text, PRIMARY KEY (host_id))
```

```
INSERT INTO hosts VALUES (1,'Mirko','Witter','https://drive.google.com/file/d/1Q7xbCvyGfGPxZU30B0M_x5jhpQWPFWM1/view?usp=share_link','1998-12-24','Hello my name is Mirko! Feel free to contact me with any questions regarding your stay. '), (2,'Anna','Cramling','https://drive.google.com/file/d/1Ex8Gm3L6cbR7VvzkRftZmihyTkqX-Mi3/view?usp=share_link','1997-11-04','Hope you enjoy your stay in my humble home! '), (3,'Eric','Rosen','https://drive.google.com/file/d/1y5XgDGeajJtnW3ptZMvRwUDXPpTMSsRA/view?usp=share_link','1992-04-09',NULL), (4,'Hikaru','Nakamura','https://drive.google.com/file/d/1lIqVGBSqVvMBQIToZQTscNa8OUiOL37J/view?usp=share_link','1984-05-08','I am Chess Grandmaster Hikaru Nakamura offering you an exceptional experience staying in this apartment! '), (5,'Claudia','Socce','https://drive.google.com/file/d/1a6TcoF9qki9aXA05mS1NDjlf2l7LvLAh/view?usp=share_link','1997-11-04','Thank you for the interest in this house. Feel free to contact me via e-mail if you have any questions! '), (6,'Abdula','Yusuf','https://drive.google.com/file/d/1lIqVGBSqVvMBQIToZQTscNa8OUiOL37J/view?usp=share_link','1974-07-24','Greetings! '), (7,'Ahmed','Aman','https://drive.google.com/file/d/11YB57byiKhsr9qWSQW3Lq55ZhTmYxnoC/view?usp=share_link','1967-08-30','I will be happy to assist you during your stay '), (8,'Jürgen','Becker','https://drive.google.com/file/d/1fyX5A3UDYdj1-k_QGKeTVkLXBxOPESQR/view?usp=share_link','1974-03-18','Thank you for your interest in this apartment '), (9,'Bettina','Deustch','https://drive.google.com/file/d/1m3E7gTr4HUB4IzqGbM8sofJDzjaKjS9v/view?usp=share_link','1966-12-14','Hello :)'), (10,'Clarice','Singer','https://drive.google.com/file/d/1h4bBNmCY1zzXechlv4h9cvGrz0DdJRWZ/view?usp=share_link','1988-07-04','Welcome to my lovely home '), (11,'Dieter','Schwarz','https://drive.google.com/file/d/1llocqRACXlJQcxCWsrz0-oY80oOct_FB/view?usp=share_link','1985-02-02','Only available via e-mail '), (12,'Anna','Kaplan','https://drive.google.com/file/d/1pKgCDU6EAp1CROfhfOOlorepw64XoCug/view?usp=share_link','1968-07-30','I will be happy to assist you during your stay '), (13,'Heino','Gutmann','https://drive.google.com/file/d/1KJ0qj4wzCK9-nQ5qpnUn_b9Kj58_4ZG/view?usp=share_link','1987-07-07','Good day! Guten Tag! '), (14,'Albert','Schweiz','https://drive.google.com/file/d/1Oxwt7BSa_FDVhl3cIDei2pD9lZiWX5X4/view?usp=share_link','1958-12-29',NULL), (15,'Maurice','Clarice','https://drive.google.com/file/d/1Kb3F7cWy1C9T3vfrJ1OByWtBF5dhmSZ0/view?usp=share_link','1977-04-01',NULL), (16,'Herman','Keller','https://drive.google.com/file/d/1ObPmh21uoy_3rp4JUuJxNWWqltp_wAV0/view?usp=share_link','1974-01-01','A warm welcome! '), (17,'Beatrice','Copper','https://drive.google.com/file/d/1cHNTglf6OC3PdfILiY3J5CsW93ppnR5q/view?usp=share_link','1965-06-09','Thank you for your interest in this apartment!, during your stay i will gladly provide any assistance you need! '), (18,'Clarice','Waterfall','https://drive.google.com/file/d/1-nCiUIMidshDkzy8i7UFEptxf_w-0uWW/view?usp=share_link','1987-07-26','The apartment speaks for itself '), (19,'Maurice','Jupiter','https://drive.google.com/file/d/1hETESP4liPCFeG96NEPat3vyUmK6DJfH/view?usp=share_link','1994-07-05','Please leave a recommendation! '), (20,'Hercules','Strongman','https://drive.google.com/file/d/16ailt46sMoWuyXFT7hjOhNYolHzNrCkA/view?usp=share_link','1988-12-01','Hello! ');
```

hosts test case

1 • `SELECT description FROM hosts WHERE host_id = 5;`

	description
▶	Thank you for the interest in this house. Feel free to contact me via e-mail if you have any questions!

city

```
CREATE TABLE city (city_id int NOT NULL AUTO_INCREMENT, name varchar(80) DEFAULT NULL, PRIMARY KEY (city_id);
```

```
INSERT INTO city VALUES
```

```
(17,'Vienna'),(18,'Zagreb'),(19,'Berlin'),(20,'Budapest'),(21,'Paris'),(22,'Rome'),(23,'Madrid'),(24,'Warsaw'),(25,'Hamburg'),(26,'Bucharest'),(27,'Barcelona'),(28,'Munich'),(29,'Milan'),(30,'Sofia'),(31,'Prague'),(32,'Cologne'),(33,'Stockholm'),(34,'Amsterdam'),(35,'Napels'),(36,'Marseille'),(37,'Turin'),(38,'Krakow'),(39,'Valencia'),(40,'Frankfurt am Main'),(41,'Seville'),(42,'Zatagoza'),(43,'Rotterdam'),(44,'Helsinki'),(45,'Copenhagen'),(46,'Athens'),(47,'Palermo'),(48,'Stuttgart'),(49,'Düsseldorf'),(50,'Riga'),(51,'Dublin'),(52,'Gothenburg'),(53,'Dortmund'),(54,'Vilnius'),(55,'Geona'),(56,'Lisbon'),(57,'Antwerp'),(58,'Lyon'),(59,'Hannover'),(60,'Tallinn'),(61,'Brno'),(62,'Aarhus'),(63,'Malmö'),(64,'Varna');
```

```
1 • SELECT * FROM city
2 WHERE name LIKE "B%";
```

	city_id	name
▶	19	Berlin
	20	Budapest
	26	Bucharest
	27	Barcelona
	61	Brno
•	NULL	NULL

country

```
CREATE TABLE country (country_id int NOT NULL AUTO_INCREMENT, name varchar(80) DEFAULT NULL, PRIMARY KEY (country_id);
```

```
INSERT INTO country VALUES (1,'Austria'),(2,'Germany'),(3,'Spain'),(4,'Italy'),(5,'France'),(6,'Poland'),(7,'Romania'),(8,'Hungary'),(9,'Bulgaria'),(10,'Czech Republic'),(11,'Sweden'),(12,'Netherlands'),(13,'Croatia'),(14,'Finland'),(15,'Greece'),(16,'Denmark'),(17,'Latvia'),(18,'Ireland'),(19,'Lithuania'),(20,'Portugal'),(21,'Belgium'),(22,'Slovakia'),(23,'Estonia');
```

```
1 • SELECT country_id, name FROM country
2 WHERE name LIKE "%y";
```

	country_id	name
▶	2	Germany
	4	Italy
	8	Hungary
•	NULL	NULL

property_adress

```
CREATE TABLE property_adress (property_adress_id int NOT NULL AUTO INCREMENT, country_country_id int DEFAULT NULL, city_city_id int DEFAULT NULL, zip int DEFAULT NULL, street varchar(80) DEFAULT NULL, number varchar(12) DEFAULT NULL, PRIMARY KEY (property_adress_id), FOREIGN KEY (country_country_id) REFERENCES country(country_id), FOREIGN KEY (city_city_id) REFERENCES city(city_id);
```

```
INSERT INTO `property_adress` VALUES (1,1,17,1070,'Stiftgasse','3'),(2,2,19,10435,'Schönhauser Allee','19'),(3,9,30,10435,'Blvd James Bouchier','100'),(4,3,23,28012,'Rda. de Atocha','3'),(5,20,56,1050,'Av. António Augusto de Aguiar','66 5E'),(6,5,21,75008,'Bd Haussmann','158'),(7,5,21,94000,'Av. du Général de Gaulle','61'),(8,2,40,60327,'Europa-Allee','6'),(9,2,40,60386,'Hanauer Landstraße','517-543'),(10,1,17,1010,'Judengasse','11'),(11,1,17,1110,'Thürlhofstraße','30'),(12,11,63,21143,'Triangeln','2'),(13,2,59,30163,'Lister Pl.','1'),(14,2,53,44141,'Märkische Straße','73'),(15,15,46,11474,'Evelpidon','4'),(16,4,47,90139,'Via Enrico Albanese','34'),(17,4,22,184,'Via della Madonna dei Monti','108'),(18,8,20,1148,'Ifjúság útja','1'),(19,6,24,312,'Dobra','55/56'),(20,6,38,30302,'Bulwar Wołyński','4');
```

```
1  SELECT country.name AS country, city.name AS city, zip, street, number FROM property_adress
2  LEFT JOIN country
3  ON country_country_id = country.country_id
4  LEFT JOIN city
5  ON city_city_id = city.city_id
6  WHERE country_country_id = 2;
```

	country	city	zip	street	number
►	Germany	Berlin	10435	Schönhauser Allee	19
	Germany	Frankfurt am Main	60327	Europa-Allee	6
	Germany	Frankfurt am Main	60386	Hanauer Landstraße	517-543
	Germany	Hannover	30163	Lister Pl.	1
	Germany	Dortmund	44141	Märkische Straße	73

property_rules

```
CREATE TABLE property_rules (property_rules_id int NOT NULL AUTO_INCREMENT, check_in time DEFAULT NULL, check_out time DEFAULT NULL, max_guests int DEFAULT NULL, PRIMARY KEY (property_rules_id))
```

```
INSERT INTO `property_rules` VALUES  
(1,'15:00:00','11:00:00',4),(2,'15:00:00','11:00:00',4),(3,'16:00:00','12:00:00',2),(4,'18:00:00','14:00:00',5),(5,'15:00:00','12:00:00',6),(6,'15:00:00','11:00:00',6),(7,'16:00:00','11:30:00',5),(8,'17:30:00','12:00:00',4),(9,'16:00:00','11:00:00',4),(10,'15:00:00','10:30:00',2),(11,'14:30:00','10:00:00',2),(12,'15:00:00','11:00:00',4),(13,'16:00:00','12:00:00',7),(14,'18:00:00','09:30:00',5),(15,'15:00:00','12:00:00',6),(16,'15:45:00','11:00:00',9),(17,'16:00:00','10:30:00',5),(18,'17:30:00','10:45:00',4),(19,'14:00:00','11:00:00',4),(20,'12:00:00','12:00:00',3);
```

```
1 ● SELECT * FROM property_rules  
2 WHERE max_guests >= 5;
```

	property_rules_id	check_in	check_out	max_guests
▶	4	18:00:00	14:00:00	5
	5	15:00:00	12:00:00	6
	6	15:00:00	11:00:00	6
	7	16:00:00	11:30:00	5
	13	16:00:00	12:00:00	7
	14	18:00:00	09:30:00	5
	15	15:00:00	12:00:00	6
	16	15:45:00	11:00:00	9
	17	16:00:00	10:30:00	5
*	NULL	NULL	NULL	NULL

properties

```
CREATE TABLE properties (property_id` int NOT NULL AUTO_INCREMENT, name varchar(80) DEFAULT NULL, type varchar(60) DEFAULT NULL, description text,
bathrooms int DEFAULT NULL, rooms int DEFAULT NULL, property_adress_property_adress_id int NOT NULL, property_rules_property_rules_id int NOT NULL,
hosts_host_id int NOT NULL, PRIMARY KEY (`property_id`), FOREIGN KEY (property_adress_property_adress_id) REFERENCES property_adress(property_adress_id),
FOREIGN KEY (property_rules_property_rules_id) REFERENCES property_rules(property_rules_id), FOREIGN KEY (hosts_host_id) REFERENCES hosts(host_id);
```

```
INSERT INTO `properties` VALUES (1,'Apartment in Neubau','Apartment','This studio is furnished and equipped with a modern kitchenette. The apartment includes
other amenities such as two queen size bed, closet and a table with chair where you can work or enjoy your meal.',1,3,1,1,1),(2,'Private room at Penzlauer
Berg','Room','This small but nice private room has enough space for two people and is in the center of penzlauer berg ',1,1,2,3,2),(3,'Apartment in
Sofia','Apartment','This is the dream getaway place. Close to the ideal centre but away from the noisiness and traffic madness of the capital. This loft is amazing
',1,2,3,20,3),(4,'Nice Place to Stay','Apartment','Hola. Beautiful apartment in one of the most exclusive neighborhoods of Madrid. ',2,3,4,19,4),(5,'Apartment with
private parking','Apartment','Our charming Apartment is within walking distance of all major points of interests in Lisbon ',1,2,5,18,5),(6,'Loft in Paris near Eifel
Tower','Apartment','Gorgeous Loft entirely renovated and fully equipped in the heart of the embassies area. The flat is calm and very safe in 16th district of Paris with
security guard 24/7.',1,2,6,7,6),(7,'Big House in Paris','House','Garden, barbecue, ping pong table, bicycles, outdoor games for children available.\nFree parking at the
entrance of the property and then in a covered and secure box, desk with fiber connection, TV, DVD player and NETFLIX',2,5,7,13,7),(8,'Apartment am
Main','Apartment','Nice Apartment with Balcony next to the Main',1,2,8,2,8),(9,'Double-Bed Room','Hotel','Facilities at the property include a restaurant, a 24-hour
front desk and room service, as well as free WiFi throughout the property.',1,2,9,12,9),(10,'Condo in Vienna Center','Apartment','There is also a multy-storey car park,
which costs €5 per day. In the area we also have a supermarket, a restaurant and a gym.',1,2,10,4,10),(11,'Cozy Home','Apartment','There is also a multy-storey car
park, which costs €5 per day. In the area we also have a supermarket, a restaurant and a gym.',1,1,11,10,11),(12,'Townhouse','House','Experience the local feeling with
high standard and great location!',2,4,12,5,12),(13,'Cozy old building apartment','Apartment','We rent our cozy old apartment in the heart of
Hanover.',1,3,13,6,13),(14,'Apartment in Dortmund','Apartment','In the apartment there are four beds, a small kitchen, dining table and chairs of course also and a TV
with Netflix account.',1,3,14,15,14),(15,'Condo in Athens','Apartment','It is an ideal overnight stay between flights or a short stay. ',1,2,15,11,15),(16,'Nice
Cabin','House','Recently renovated, immersed in greenery and surrounded by a beautiful natural landscape.',2,3,16,14,16),(17,'Big House in Rome','House','This House
offers a enough space for up to 9 people.',2,5,17,16,17),(18,'Cozy Apartment','Apartment','Cozy Apartment for a holiday trip!',1,2,18,9,18),(19,'Nice Apartment in
Center of Warsaw','Apartment',NULL,1,2,19,17,19),(20,'Apartment in Krakow','Apartment',NULL,1,2,20,8,20);
```

property_review

```
CREATE TABLE property_review (property_review_id int NOT NULL AUTO_INCREMENT, review text, star_review tinyint DEFAULT NULL, properties_property_id int NOT NULL, guests_guest_id int NOT NULL, PRIMARY KEY (property_review_id), FOREIGN KEY (properties_property_id) REFERENCES properties(property_id), FOREIGN KEY (guests_guest_id) REFERENCES guests(guest_id));
```

```
INSERT INTO `property_review` VALUES (1,'Great stay! Clean and comfortable space, easy check-in process, and friendly hosts.',5,1,1),(2,'Wonderful Airbnb experience! Beautiful location, cozy space, and excellent communication with the hosts.',5,1,5),(3,'Highly recommend this Airbnb! Fantastic location, stylish decor, and amazing amenities.',5,1,18),(4,'Had a fantastic stay at this Airbnb! The hosts were incredibly helpful, and the space was clean, comfortable, and had everything I needed.',4,2,2),(5,'Perfect Airbnb experience! Great location, friendly hosts, and a lovely space that felt like home.',4,2,16),(6,'I had a wonderful experience at this Airbnb! The hosts were incredibly friendly and accommodating, and the space was clean, comfortable, and had everything I needed. The location was perfect, with easy access to public transportation and plenty of attractions within walking distance. Overall, I would highly recommend this Airbnb to anyone looking for a great place to stay.',5,2,10);
```

NOTE: INSERT Statement is too large to show on the presentation so this is only a part of it.

```
1 • SELECT properties_property_id, properties.name FROM property_review
2     INNER JOIN properties
3     ON properties_property_id = properties.property_id
4     WHERE star_review <= 2
5     ORDER BY properties_property_id;
```

	properties_property_id	name
►	7	Big House in Paris
	8	Apartment am Main
	11	Cozy Home
	15	Condo in Athens
	16	Nice Cabin
	16	Nice Cabin
	17	Big House in Rome
	20	Apartment in Krakow

property_images

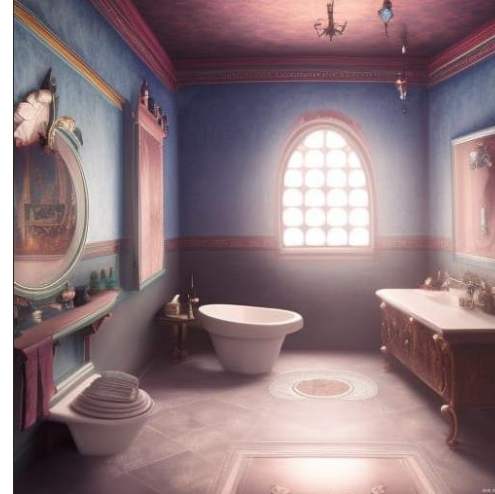
```
CREATE TABLE property_images (image text, properties_property_id int NOT NULL, FOREIGN KEY (properties_property_id) REFERENCES properties(property_id);
```

```
INSERT INTO `property_images` VALUES  
(https://drive.google.com/file/d/11r\_SV56ibqqIcEVQe8rjqmXEsPjebX4h/view?usp=share\_link,1),(https://drive.google.com/file/d/1AmqWWnL7GUFtMxsHKyUwjCUZb99Mlvhg/view?usp=share\_link,1),(https://drive.google.com/file/d/1XLJCZyv4XmfiY\_pFNESbxPFCGCsJwU9t/view?usp=share\_link,2),(https://drive.google.com/file/d/1cVpVm\_eegRdPdP0b3ySofY7ngGW4gxdr/view?usp=share\_link,2),(https://drive.google.com/file/d/1YkCHqBg5oRgd28RB2vp9xIfHBYWFIPZ/view?usp=share\_link,3);
```

NOTE: INSERT Statement is too large to show on the presentation so this is only a part of it.

```
1 • SELECT image FROM property_images  
2 WHERE properties_property_id = 2;
```

	image
▶	https://drive.google.com/file/d/1XLJCZyv4XmfiY_pFNESbxPFCGCsJwU9t/view?usp=share_link
	https://drive.google.com/file/d/1cVpVm_eegRdPdP0b3ySofY7ngGW4gxdr/view?usp=share_link



guest_review

```
CREATE TABLE guest_review (guest_review_id int NOT NULL AUTO_INCREMENT, review text, star_review tinyint DEFAULT NULL, guests_guest_id int NOT NULL, hosts_host_id int NOT NULL, PRIMARY KEY (guest_review_id), FOREIGN KEY(huests_guest_id) REFERENCES guests(guest_id), FOREIGN KEY(hosts_host_id) REFERENCES hosts(host_id))
```

```
INSERT INTO `guest_review` VALUES (1,'It was a pleasure hosting Alexander! They were friendly, respectful of the space, and left the rental in great condition. I would welcome them back anytime.',5,1,1),(2,'I had a great experience hosting Alexander. They were communicative and easy to work with, and left the rental in impeccable condition. I would highly recommend them to any other hosts.',5,1,7),(3,'Thank you, Alexander, for choosing to stay in my rental! They were a great guest, leaving the space in excellent condition and showing a lot of respect for the property. I would be happy to host them again in the future.',5,1,17),(4,'I had a wonderful experience hosting Marija. They were communicative, respectful, and left the rental in great condition. I would definitely recommend them to other hosts and would welcome them back anytime.',5,2,2),(5,'It was a pleasure hosting [guest\'s name]. They were friendly, easy to communicate with, and left the rental in pristine condition. I would absolutely recommend them to any other hosts and would love to host them again in the future.',5,3,8),(6,'Hosting Florian was a breeze! They were a great communicator and left the rental in fantastic shape. I would highly recommend them to other hosts.',5,4,8);
```

NOTE: INSERT Statement is too large to show on the presentation so this is only a part of it.

```
1 • SELECT guests_guest_id, guests.first_name, guests.last_name FROM guest_review
2     INNER JOIN guests
3     ON guests_guest_id = guests.guest_id
4     WHERE star_review <=2
5     ORDER BY last_name;
```

	guests_guest_id	first_name	last_name
►	8	Jürgen	Jochen
	9	Theresia	Stranger
	9	Theresia	Stranger
	7	Anna	Theresia

booking

```
CREATE TABLE booking (booking_id int NOT NULL AUTO_INCREMENT, start date DEFAULT NULL, end date DEFAULT NULL, number_guests int DEFAULT NULL, guests_guest_id int NOT NULL, properties_property_id int NOT NULL, PRIMARY KEY (booking_id), FOREIGN KEY(properties_property_id) REFERENCES properties(property_id), FOREIGN KEY (guests_guest_id) REFERENCES guests(guest_id);
```

```
INSERT INTO `booking` VALUES (1,'2021-05-10','2021-05-17',4,1,1),(2,'2022-12-10','2022-12-17',2,5,1),(3,'2022-01-01','2022-01-16',3,18,1),(4,'2022-06-06','2022-08-01',5,2,2),(5,'2022-06-01','2022-07-01',5,16,2),(6,'2021-06-01','2021-07-01',2,10,2),(7,'2021-12-01','2021-12-16',6,11,2),(8,'2022-11-01','2022-11-16',4,13,2),(9,'2022-04-01','2022-04-04',3,4,4),(10,'2022-04-06','2022-04-08',3,13,4),(11,'2021-04-06','2021-04-08',1,16,4),(12,'2021-06-12','2021-06-14',1,17,4),(13,'2021-06-12','2021-06-14',2,11,5),(14,'2022-01-12','2022-01-14',3,11,6),(15,'2022-02-06','2022-03-06',2,1,7),(16,'2022-02-06','2022-03-06',2,14,7),(17,'2022-03-06','2022-03-09',2,3,8),(18,'2022-06-06','2022-06-12',4,4,8),(19,'2022-04-06','2022-04-12',3,9,8),(20,'2022-09-06','2022-09-12',1,9,16),(21,'2023-01-06','2023-01-12',1,9,11),(22,'2023-02-06','2023-02-12',2,8,16),(23,'2023-02-06','2023-02-20',3,20,20),(24,'2023-03-06','2023-03-20',3,15,15),(25,'2021-03-06','2021-03-20',3,16,7),(26,'2022-06-06','2022-06-20',2,1,17),(27,'2022-08-12','2022-08-20',4,1,16),(28,'2022-09-12','2022-09-20',4,11,13),(29,'2022-08-28','2022-09-24',5,7,7),(30,'2022-09-28','2022-10-05',5,7,20),(31,'2022-12-28','2023-01-05',2,14,5),(32,'2022-11-28','2022-11-30',2,15,19),(33,'2022-06-28','2022-06-30',1,15,5),(34,'2022-08-28','2022-09-06',2,5,5),(35,'2022-05-01','2022-05-06',2,7,12);
```

```
1 • SELECT booking_id, start, end FROM booking
2 WHERE start >= "2023-01-01";
```

	booking_id	start	end
▶	21	2023-01-06	2023-01-12
	22	2023-02-06	2023-02-12
	23	2023-02-06	2023-02-20
	24	2023-03-06	2023-03-20
*	NULL	NULL	NULL

administrators

```
CREATE TABLE administrators (administrator_id int NOT NULL AUTO_INCREMENT, first_name varchar(45) DEFAULT NULL, last_name varchar(45) DEFAULT NULL, PRIMARY KEY (administrator_id);
```

```
INSERT INTO `administrators` VALUES  
(1,'Benjamin','Button'),(2,'Heidi','Hütte'),(3,'Dagobert','Ente'),(4,'Igor','Mattaschitz'),(5,'Sebastian','Seppl'),(6,'Florian','Nürnmann'),(7,'Adelheid','Dorfner'),(8,'Siegmund','Freud'),(9,'Karl','Marx'),(10,'Olivia','Adams'),(11,'Jacob','Martinez'),(12,'Samantha','Taylor'),(13,'Alexander','White'),(14,'Emily','Wilson'),(15,'Ethan','Thompson'),(16,'Madison','Hiöö'),(17,'Ava','Flores'),(18,'Abigail','Cooper'),(19,'Grace','Parker'),(20,'Daniel','Reyes'),(21,'Gabriel','Forster');
```

```
1 • SELECT administrator_id, last_name first_name FROM administrators  
2 WHERE administrator_id >= "15"  
3 ORDER BY last_name;
```

	administrator_id	first_name
▶	18	Cooper
	17	Flores
	21	Forster
	16	Hiöö
	19	Parker
	20	Reyes
	15	Thompson
✱	NULL	NULL

payment_information

```
CREATE TABLE payment_information (payment_information_id int NOT NULL AUTO_INCREMENT, type varchar(45) DEFAULT NULL, payment_details varchar(200) DEFAULT NULL, hosts_host_id int DEFAULT NULL, guests_guest_id int DEFAULT NULL, PRIMARY KEY (payment_information_id), FOREIGN KEY (hosts_host_id) REFERENCES hosts(hosts_id), FOREIGN KEY (guests_guest_id) REFERENCES guests(guest_id);
```

```
INSERT INTO `payment_information` VALUES (1,'credit card','4700676839101872',NULL,1),(2,'credit card','5540137240169256',NULL,2),(3,'credit card','378552119460677',NULL,3),(4,'credit card','349254455069412',NULL,4),(5,'credit card','6011364994834517',NULL,5),(6,'credit card','4539366047546590',NULL,6),(7,'credit card','5271691481333117',NULL,7),(8,'credit card','6011661208654221',NULL,8),(9,'debit card','372667485491100',NULL,9),(10,'credit card','377614491457993',NULL,10),(11,'debit card','5311726238819851',NULL,11),(12,'credit card','4539579116538187',NULL,12),(13,'credit card','4539360993673573',NULL,13),(14,'credit card','4716433766693998',NULL,14),(15,'debit card','6011364994834517',NULL,15),(16,'bank transfer','AT16 4879 4512 6655',NULL,16),(17,'credit card','4532491010193126',NULL,17),(18,'credit card','6011242029128768',NULL,18),(19,'credit card','6011821278718492',NULL,19),(20,'bank transfer','GB89 7844 4566 0000',NULL,20),(21,'credit card','341685837175864',NULL,21),(22,'credit card','346368842479614',NULL,22),(23,'credit card','370862345192087',NULL,23),(24,'credit card','4716567305357910',1,NULL),(25,'credit card','5140476134232398',2,NULL),(26,'debit card','4467002169977950',2,NULL),(27,'credit card','6011532843592581',3,NULL),(28,'debit card','378817005412383',4,NULL),(29,'credit card','374281095320416',5,NULL),(30,'debit card','6011210039055925',5,NULL),(31,'debit card','371793606889815',6,NULL),(32,'credit card','374913846073379',7,NULL),(33,'credit card','6011350023326294',8,NULL),(34,'credit card','5207851121853812',9,NULL),(35,'debit card','4024007199373456',10,NULL),(36,'bank transfer','DE16 7888 8789 9879',11,NULL),(37,'credit card','4929815237926507',12,NULL),(38,'debit card','343434009848794',12,NULL),(39,'credit card','4647211928093248',13,NULL),(40,'credit card','4556438172118046',14,NULL),(41,'bank transfer','AT 5558 4551 1664',15,NULL),(42,'credit card','4556818690922237',16,NULL),(43,'credit card','5474389292668517',17,NULL),(44,'credit card','6011915121384963',18,NULL),(45,'credit card','377459757085694',19,NULL),(46,'credit card','343349348056331',20,NULL);
```

```
1 • SELECT * FROM payment_information
2 WHERE type = "debit card";
```

	payment_information_id	type	payment_details	hosts_host_id	guests_guest_id
▶	9	debit card	372667485491100	NULL	9
	11	debit card	5311726238819851	NULL	11
	15	debit card	6011364994834517	NULL	15
	26	debit card	4467002169977950	2	NULL
	28	debit card	378817005412383	4	NULL
	30	debit card	6011210039055925	5	NULL
	31	debit card	371793606889815	6	NULL
	35	debit card	4024007199373456	10	NULL
	38	debit card	343434009848794	12	NULL
*	NULL	NULL	NULL	NULL	NULL

payment

```
CREATE TABLE payment (payment_id int NOT NULL AUTO_INCREMENT, currency varchar(45) DEFAULT NULL, amount decimal(7,2) DEFAULT NULL, payment_date datetime DEFAULT NULL, payment_status varchar(45) DEFAULT NULL, properties_property_id int NOT NULL, hosts_host_id int NOT NULL, guests_guest_id int NOT NULL, booking_booking_id int NOT NULL, administrators_administrator_id int NOT NULL, payment_information_payment_information_id int NOT NULL, PRIMARY KEY (payment_id), FOREIGN KEY (properties_property_id) REFERENCES properties(property_id), FOREIGN KEY (hosts_host_id) REFERENCES hosts(host_id), FOREIGN KEY (guests_guest_id) REFERENCES guests(guest_id), FOREIGN KEY (booking_booking_id) REFERENCES booking(booking_id), FOREIGN KEY (administrators_administrator_id) REFERENCES administrators(administrator_id), FOREIGN KEY (payment_information_payment_information_id) REFERENCES payment_information(payment_information_id);
```

```
INSERT INTO `payment` VALUES (1,'Euro',560.56,'2021-01-02 00:00:00','Completed',1,1,1,1,1),(2,'Euro',610.32,'2022-11-09 00:00:00','Completed',1,1,5,2,1,5),(3,'Euro',256.32,'2022-01-01 00:00:00','Completed',1,1,18,3,1,18),(4,'Euro',458.65,'2022-03-03 00:00:00','Completed',2,2,2,4,6,2),(5,'Euro',741.13,'2022-04-03 00:00:00','Completed',2,2,16,5,4,16),(6,'Euro',741.13,'2022-04-03 00:00:00','Completed',2,2,10,6,6,10),(7,'Euro',548.44,'2021-01-03 00:00:00','Completed',2,2,11,7,12,11),(8,'Euro',114.12,'2022-08-03 00:00:00','Completed',2,2,13,8,12,13),(9,'Euro',114.12,'2022-08-03 00:00:00','Completed',3,3,4,9,20,4),(10,'Euro',687.65,'2022-08-03 00:00:00','Completed',4,4,13,10,17,13),(11,'Euro',987.45,'2021-03-03 00:00:00','Completed',4,4,16,11,2,16),(12,'Euro',147.66,'2021-01-03 00:00:00','Completed',4,4,17,12,12,17),(13,'Euro',666.56,'2021-01-03 00:00:00','Completed',5,5,11,13,7,11),(14,'Euro',666.56,'2021-11-03 00:00:00','Completed',6,6,11,14,17,11),(15,'Euro',313.15,'2022-11-03 00:00:00','Completed',7,7,1,15,7,1),(16,'Euro',114.54,'2022-06-03 00:00:00','Completed',7,7,14,16,7,14),(17,'Euro',984.45,'2022-02-13 00:00:00','Completed',8,8,3,17,9,3),(18,'Euro',789.45,'2022-06-11 00:00:00','Completed',8,8,4,18,7,4),(19,'Euro',644.13,'2022-04-01 00:00:00','Completed',8,8,9,19,3,19),(20,'Euro',162.13,'2022-09-05 00:00:00','Completed',16,16,9,20,6,9),(21,'Euro',145.33,'2023-01-01 00:00:00','Completed',11,11,9,21,9,9),(22,'Euro',1004.65,'2023-01-13 00:00:00','Completed',16,16,8,22,18,8),(23,'Euro',547.45,'2023-01-18 00:00:00','Completed',20,20,22,14,20),(24,'Euro',644.44,'2023-02-06 00:00:00','Completed',15,15,15,24,15,15),(25,'Euro',444.44,'2021-02-05 00:00:00','Completed',7,7,16,25,14,16),(26,'Euro',644.87,'2022-06-05 00:00:00','Completed',17,17,1,26,14,1),(27,'Euro',774.15,'2022-07-05 00:00:00','Completed',16,16,1,27,4,1),(28,'Euro',247.87,'2022-07-16 00:00:00','Completed',13,13,11,28,6,11),(29,'Euro',798.45,'2022-08-26 00:00:00','Completed',7,7,7,29,6,7),(30,'Euro',988.45,'2022-08-26 00:00:00','Completed',20,20,7,30,17,7),(31,'Euro',664.44,'2022-11-11 00:00:00','Completed',5,5,14,31,9,14),(32,'Euro',474.66,'2022-11-11 00:00:00','Completed',19,19,15,32,4,15),(33,'Euro',678.99,'2022-05-12 00:00:00','Completed',5,5,15,33,4,15),(34,'Euro',365.65,'2022-08-12 00:00:00','Completed',5,5,5,34,9,5),(35,'Euro',NULL,'2022-03-10 00:00:00','Completed',12,12,7,35,9,7);
```

```
1 • SELECT amount, payment_id, hosts_host_id, guests_guest_id,
2     hosts.last_name AS host_last_name, guests.last_name AS guest_last_name FROM payment
3     INNER JOIN hosts
4     ON hosts_host_id = hosts.host_id
5     INNER JOIN guests
6     ON guests_guest_id = guests.guest_id
7     WHERE amount >= "750.00"
8     ORDER BY amount DESC;
```

	amount	payment_id	hosts_host_id	guests_guest_id	host_last_name	guest_last_name
▶	1004.65	22	16	8	Keller	Jochen
	988.45	30	20	7	Strongman	Theresia
	987.45	11	4	16	Nakamura	Wirr
	984.45	17	8	3	Becker	Klaus
	798.45	29	7	7	Aman	Theresia
	789.45	18	8	4	Becker	Potter
	774.15	27	16	1	Keller	Ulbin

amenities

```
CREATE TABLE amenities (amenities_id int NOT NULL AUTO_INCREMENT, name varchar(80) DEFAULT NULL, description varchar(300) DEFAULT NULL, PRIMARY KEY (amenities_id);
```

```
INSERT INTO `amenities` VALUES (1,'Hair dryer',NULL),(2,'Washer',NULL),(3,'Dryer',NULL),(4,'Hangers',NULL),(5,'Iron',NULL),(6,'TV',NULL),(7,'Central air conditioning',NULL),(8,'Heating',NULL),(9,'WIFI',NULL),(10,'Free parking on premises',NULL),(11,'Shampoo',NULL),(12,'Essentials','Towels, bed sheets, soap, toilet paper'),(13,'Kitchen','Space where guests can cook their own meals'),(14,'Private entrance','Seperate street or building entrance'),(15,'Shared outdoor pool - available seasonally','Available from Jun to Sep'),(16,'Bathtub',NULL),(17,'Hot Water',NULL),(18,'Bed Linens',NULL),(19,'Extra Pillow and blankets',NULL),(20,'Room-darkening shades',NULL),(21,'indoor fireplace',NULL),(22,'fire extinguisher',NULL),(23,'Refrigerator',NULL),(24,'Microwave',NULL),(25,'Coffee Maker',NULL);
```

```
1 • SELECT property_id, amenities.name FROM amenities
2     INNER JOIN property_has_amenities
3     ON amenities_id = amenities_amenities_id
4     INNER JOIN properties
5     ON properties_property_id = property_id
6     WHERE property_id = 2;
```

	property_id	name
▶	2	Iron
	2	TV
	2	Bathtub
	2	Coffee Maker

guest_adress

```
CREATE TABLE guest_adress (guest_adress_id int NOT NULL AUTO_INCREMENT, country_country_id int DEFAULT NULL, city_city_id int DEFAULT NULL, zip int DEFAULT NULL, street varchar(80) DEFAULT NULL, number varchar(12) DEFAULT NULL, guests_guest_id int NOT NULL, FOREIGN KEY (city_city_id) REFERENCES city(city_id), FOREIGN KEY (country_country_id) REFERENCES country(country_id), FOREIGN KEY (guests_guest_id) REFERENCES guests(guest_id);
```

```
INSERT INTO `guest_adress` VALUES (1,1,17,1170,'Jörgerstraße','27/14',1),(2,1,17,1010,'Opernring','2/13',2),(3,2,19,10969,'Alexandrinenstrasse ','118-121',3),(4,2,19,10969,'Kopenhagenerstraße ','72',4),(5,13,18,10000,'Ul. Ivana Kukuljevića ','5',5),(6,4,29,10000,'Piazza Castello','5',6),(7,2,28,80638,'Schloß Nymphenburg','1',7),(8,2,40,60323,'Wiesenau','1',8),(9,6,38,31535,'Geşia ','22',9),(10,3,41,41006,'Calle Cortegana ','66',10),(11,8,20,1108,'Kozma','8-10',11),(12,12,34,1071,'Museumplein','6',12),(13,5,21,75007,'Av. Anatole France','5',13),(14,11,33,11825,'Kajplats','13',14),(15,3,27,8029,'Avinguda Diagonal','56',15),(16,18,51,8243,'S Circular Rd','77',16),(17,5,36,13006,'Rue Fort du Sanctuaire','1-9',17),(18,9,64,9000,'Knyaz Boris I','152',18),(19,2,48,70173,'Lautenschlagerstraße','12',19),(20,2,48,70173,'Lautenschlagerstraße','12',20);
```

```
1 • SELECT country.name as country, city.name AS city, zip, street, number FROM guest_adress
2     INNER JOIN country
3     ON country_country_id = country_id
4     INNER JOIN city
5     ON city_city_id = city_id
6     WHERE guest_adress_id = 18;
```

	country	city	zip	street	number
►	Bulgaria	Varna	9000	Knyaz Boris I	152

property_availability

```
CREATE TABLE property_availability (properties_property_id int NOT NULL, start_date date DEFAULT NULL, end_date date DEFAULT NULL, available tinyint(1) DEFAULT NULL, FOREIGN KEY (properties_property_id) REFERENCES properties(property_id));
```

```
INSERT INTO `property_availability` VALUES (1,'2023-04-08','2023-12-31',1),(2,'2023-04-08','2023-04-24',0),(2,'2023-04-24','2023-05-01',1),(2,'2023-05-02','2023-05-14',0),(2,'2023-05-15','2023-12-31',1),(3,'2023-04-08','2023-12-31',1),(4,'2023-04-08','2023-12-31',1),(5,'2023-04-08','2023-12-31',1),(6,'2023-04-08','2023-04-20',0),(6,'2023-04-20','2023-05-03',1),(6,'2023-05-04','2023-05-16',0),(6,'2023-05-17','2023-12-31',1),(7,'2023-04-08','2023-12-31',1),(8,'2023-04-08','2023-12-31',0),(9,'2023-04-08','2023-05-12',0),(9,'2023-05-12','2023-05-30',1),(9,'2023-05-31','2023-06-12',0),(9,'2023-06-13','2023-12-31',1),(11,'2023-04-08','2023-12-31',1),(12,'2023-04-08','2023-12-31',1),(10,'2023-04-08','2023-12-31',1),(13,'2023-04-08','2023-05-08',0),(13,'2023-05-09','2023-12-31',1),(14,'2023-04-08','2023-04-12',0),(14,'2023-04-13','2023-05-01',1),(14,'2023-05-02','2023-05-16',0),(14,'2023-05-17','2023-12-31',1),(15,'2023-04-08','2023-04-12',1),(15,'2023-04-13','2023-04-21',0),(15,'2023-04-22','2023-08-21',1),(15,'2023-08-22','2023-08-25',0),(15,'2023-08-26','2023-12-31',1),(16,'2023-04-08','2023-12-31',0),(17,'2023-04-08','2023-12-31',1),(18,'2023-04-08','2023-04-19',1),(18,'2023-04-20','2023-05-19',0),(18,'2023-05-20','2023-11-19',1),(18,'2023-11-20','2023-11-29',0),(18,'2023-11-30','2023-12-31',1),(20,'2023-04-08','2023-12-31',1);
```

```
1 • SELECT * FROM property_availability
2 WHERE properties_property_id = 15
3 AND available = 0;
```

	properties_property_id	start_date	end_date	available
►	15	2023-04-13	2023-04-21	0
	15	2023-08-22	2023-08-25	0

languages

```
CREATE TABLE languages (languages_id int NOT NULL AUTO_INCREMENT, language varchar(80) DEFAULT NULL, PRIMARY KEY (languages_id);
```

```
INSERT INTO `languages` VALUES
```

```
(1,'German'),(2,'French'),(3,'Spanish'),(4,'Italien'),(5,'French'),(6,'Polish'),(7,'Romanian'),(8,'Russian'),(9,'Hungarien'),(10,'Bulgarian'),(11,'Czech'),(12,'Swedish'),(13,'Dutch'),(14,'Croatien'),(15,'Finnish'),(16,'Greek'),(17,'Danish'),(18,'Latvian'),(19,'Lithuanien'),(20,'Portugeese'),(21,'Slovak'),(22,'English');
```

```
1 • SELECT guests.last_name, languages.language, level FROM guests_has_languages
2     INNER JOIN guests
3     ON guests_guest_id = guest_id
4     INNER JOIN languages
5     ON languages_languages_id = languages_id
6     WHERE guests_guest_id = 5;
```

	last_name	language	level
►	Suljanovic	Portugeese	Mother Tongue
	Suljanovic	French	Advanced

telephone_numbers

```
CREATE TABLE telephone_numbers (telephone_numbers_id int NOT NULL AUTO_INCREMENT, telephone_number varchar(80) DEFAULT NULL, administrators_administrator_id int DEFAULT NULL, guests_guest_id int DEFAULT NULL, hosts_host_id int DEFAULT NULL, PRIMARY KEY (telephone_numbers_id), FOREIGN KEY (administrators_administrator_id) REFERENCES administrators(administrator_id), FOREIGN KEY (guests_guest_id) REFERENCES guests(guest_id), FOREIGN KEY (hosts_host_id) REFERENCES hosts(host_id);
```

```
INSERT INTO `telephone_numbers` VALUES (1,'+43 650 421707927',NULL,1,NULL),(2,'+43 650 421707927',NULL,2,NULL),(3,'+43 672 041572',NULL,3,NULL),(4,'+43 651 54923',NULL,4,NULL),(5,'+43 687 388521',NULL,5,NULL),(6,'+49 15054 852214',NULL,6,NULL),(7,'+49 15006 140423',NULL,7,NULL),(8,'+36 162 42224207',NULL,8,NULL),(9,'+36 160 5436329',NULL,9,NULL),(10,'+55 1598 8031322',NULL,10,NULL),(11,'+55 1598 8031322',NULL,10,NULL),(12,'+76 170 33575835',NULL,11,NULL),(13,'+87 1519 4214800',NULL,12,NULL),(14,'+565 163 3274296',NULL,13,NULL),(15,'+420 1524 0765387',NULL,14,NULL),(16,'+420 170 64925737',NULL,15,NULL),(17,'+386 15505 366496',NULL,16,NULL),(18,'+386 176 43104692',NULL,16,NULL),(19,'+387 160 5195096',NULL,17,NULL),(20,'+66 1595 0895909',NULL,18,NULL),(21,'+77 178 82173030',NULL,19,NULL),(22,'+22 179 6869630',NULL,19,NULL),(23,'+01 15847 753801',NULL,20,NULL),(24,'+01 177 81800498',NULL,20,NULL),(25,'+43 650 434507927',NULL,NULL,1),(26,'+43 650 434407927',NULL,NULL,2),(27,'+43 672 041456572',NULL,NULL,3),(28,'+43 651 57653',NULL,NULL,4),(29,'+43 687 385671',NULL,NULL,5),(30,'+49 15054 856756714',NULL,NULL,6),(31,'+49 15006 1567553',NULL,NULL,7),(32,'+36 162 44246207',NULL,NULL,8),(33,'+36 160 3463429',NULL,NULL,9),(34,'+55 1598 83464322',NULL,NULL,10),(35,'+55 1598 346622',NULL,NULL,10),(36,'+76 170 3345635',NULL,NULL,11),(37,'+87 1519 43465300',NULL,NULL,12),(38,'+565 16363396',NULL,NULL,13),(39,'+420 1524 07345687',NULL,NULL,14),(40,'+420 170 64347537',NULL,NULL,15),(41,'+386 15505 385676',NULL,NULL,16),(42,'+386 176 856792',NULL,NULL,16),(43,'+387 160 5856796',NULL,NULL,17),(44,'+66 1595 0654909',NULL,NULL,18),(45,'+77 178 8246530',NULL,NULL,19),(46,'+22 179 687892',NULL,NULL,19),(47,'+01 15847 753454',NULL,NULL,20),(48,'+01 177 4564598',NULL,NULL,20),(49,'+43 650 456456',1,NULL,NULL),(50,'+43 650 5234254',2,NULL,NULL),(51,'+43 672 2453555',3,NULL,NULL),(52,'+43 651 253453',4,NULL,NULL),(53,'+43 687 6463456',5,NULL,NULL),(54,'+49 15054 4564356',6,NULL,NULL),(55,'+49 15006 45677456',7,NULL,NULL),(56,'+36 162 7456756',8,NULL,NULL),(57,'+36 160 14232314',9,NULL,NULL),(58,'+55 1598 75475676',10,NULL,NULL),(59,'+55 1598 744567',10,NULL,NULL),(60,'+76 170 25342354',11,NULL,NULL),(61,'+87 1519 75674576',12,NULL,NULL),(62,'+565 3452253',13,NULL,NULL),(63,'+420 1524 5234545',14,NULL,NULL),(64,'+420 170 23454523',15,NULL,NULL),(65,'+386 15505 646656',16,NULL,NULL),(66,'+386 176 745676',16,NULL,NULL),(67,'+387 160 433412',17,NULL,NULL),(68,'+66 1595 3456456',18,NULL,NULL),(69,'+77 178 43564536',19,NULL,NULL),(70,'+22 179 544567892',19,NULL,NULL),(71,'+01 15847 4535454',20,NULL,NULL),(72,'+01 177 45232435',20,NULL,NULL);
```

```
1 • SELECT telephone_number FROM telephone_numbers
2 WHERE guests_guest_id = 10;
```

	telephone_number
▶	+55 1598 8031322
	+55 1598 8031322

e_mail

```
CREATE TABLE e_mail (e_mail_id int NOT NULL AUTO_INCREMENT, e_mail varchar(100) DEFAULT NULL, guests_guest_id int DEFAULT NULL, administrators_administrator_id int DEFAULT NULL, hosts_host_id int DEFAULT NULL, PRIMARY KEY (e_mail_id), FOREIGN KEY (guests_guest_id) REFERENCES guests(guest_id), FOREIGN KEY (administrators_administrator_id) REFERENCES administrators(administrator_id), FOREIGN KEY (hosts_host_id) REFERENCES hosts(host_id);
```

```
INSERT INTO `e_mail` VALUES
```

```
(1,'jklöjk@dummy.de',1,NULL,NULL),(2,'dfgs@dummy.de',2,NULL,NULL),(3,'fdghk@dummy.de',3,NULL,NULL),(4,'hdfg@dummy.de',4,NULL,NULL),(5,'dfghhkh@dummy.de',5,NULL,NULL),(6,'dfghghfgd@dummy.de',6,NULL,NULL),(7,'asda fsdf@dummy.de',6,NULL,NULL),(8,'gfjhg@dummy.de',7,NULL,NULL),(9,'jfghghj@dummy.de',7,NULL,NULL),(10,'fjghghjs@dummy.de',8,NULL,NULL),(11,'gdfsgdfsg@dummy.de',9,NULL,NULL),(12,'hfgdhfg@dummy.de',10,NULL,NULL),(13,'jfghghj@dummy.de',11,NULL,NULL),(14,'fghjjh@dummy.de',12,NULL,NULL),(15,'fghjghjf@dummy.de',13,NULL,NULL),(16,'twrewert@dummy.de',14,NULL,NULL),(17,'itzui@dummy.de',15,NULL,NULL),(18,'jhfgghj@dummy.de',16,NULL,NULL),(19,'xvxcbbv@dummy.de',17,NULL,NULL),(20,'kjfghj@dummy.de',18,NULL,NULL),(21,'ghjfk@dummy.de',19,NULL,NULL),(22,'dfghdfgh@dummy.de',20,NULL,NULL),(23,'dfghdfgh@dummy.de',20,NULL,NULL),(24,'dfghfgh@dummy.de',NULL,NULL,1),(25,'dfhgfhgd@dummy.de',NULL,NULL,2),(26,'erwztrtzt@dummy.de',NULL,NULL,3),(27,'erzteh@dummy.de',NULL,NULL,4),(28,'dfghhjd@dummy.de',NULL,NULL,5),(29,'ghjkgghj@dummy.de',NULL,NULL,6),(30,'cvbbnv@dummy.de',NULL,NULL,6),(31,'bdfgh@dummy.de',NULL,NULL,7),(32,'nzreur@dummy.de',NULL,NULL,7),(33,'dffgh@dummy.de',NULL,NULL,8),(34,'hjkkgghj@dummy.de',NULL,NULL,9),(35,'bvncvbn@dummy.de',NULL,NULL,10),(36,'lkghl@dummy.de',NULL,NULL,11),(37,'wsertgesg@dummy.de',NULL,NULL,12),(38,'hfgjkh@dummy.de',NULL,NULL,13),(39,'öklöjk@dummy.de',NULL,NULL,14),(40,'rtzurtzu@dummy.de',NULL,NULL,15),(41,'rtuzifghj@dummy.de',NULL,NULL,16),(42,'fjghfgh@dummy.de',NULL,NULL,17),(43,'sdfghgsd@dummy.de',NULL,NULL,18),(44,'xcvbxcvb@dummy.de',NULL,NULL,19),(45,'sfdgshdfgfdh@dummy.de',NULL,NULL,20),(46,'fjghfghj@dummy.de',NULL,NULL,20),(47,'jkfghj@dummy.de',NULL,1,NULL),(48,'dfhgxfjzztedfghd@dummy.de',NULL,2,NULL),(49,'khjk@dummy.de',NULL,3,NULL),(50,'asddfs@dummy.de',NULL,4,NULL),(51,'g445gdf@dummy.de',NULL,5,NULL),(52,'dfh66@dummy.de',NULL,6,NULL),(53,'hgdfh3@dummy.de',NULL,6,NULL),(54,'ghjdll@dummy.de',NULL,7,NULL),(55,'lljhl@dummy.de',NULL,7,NULL),(56,'gscbcvcb@dummy.de',NULL,8,NULL),(57,'vbm@dummy.de',NULL,9,NULL),(58,'hdghdfgh@dummy.de',NULL,10,NULL),(59,'j545nn@dummy.de',NULL,11,NULL),(60,'dyfgf3@dummy.de',NULL,12,NULL),(61,'xcvbj56@dummy.de',NULL,13,NULL),(62,'hfgdhd@dummy.de',NULL,14,NULL),(63,'hdfghf@dummy.de',NULL,15,NULL),(64,'hh55h5h@dummy.de',NULL,16,NULL),(65,'dfghdfgh@dummy.de',NULL,17,NULL),(66,'ncvbnvbn@dummy.de',NULL,18,NULL),(67,'zdfgh56@dummy.de',NULL,19,NULL),(68,'kghjkg@dummy.de',NULL,20,NULL),(69,'lhjssss@dummy.de',NULL,20,NULL);
```

```
1 • SELECT guests.last_name, guests.first_name, e_mail FROM e_mail
2 INNER JOIN guests
3 ON guests_guest_id = guest_id
4 WHERE guest_id = 7;
```

	last_name	first_name	e_mail
▶	Theresia	Anna	gfjhg@dummy.de
	Theresia	Anna	jfghghj@dummy.de

beds

```
CREATE TABLE beds (bed_id int NOT NULL, type varchar(100) DEFAULT NULL, PRIMARY KEY (bed_id));  
INSERT INTO `beds` VALUES (1,'Single Bed'),(2,'Double Bed'),(3,'King Size Bed'),(4,'Queen Size Bed'),(5,'Sofa Bed');
```

```
1 • SELECT beds.type, properties_has_beds.number AS number_of_beds FROM beds  
2   INNER JOIN properties_has_beds  
3     on bed_id = beds_bed_id  
4   INNER JOIN properties  
5     ON properties_property_id = property_id  
6   WHERE property_id = 4;
```

	type	number_of_beds
▶	King Size Bed	2
	Queen Size Bed	1
	Single Bed	1

costs

```
CREATE TABLE costs (costs_id int NOT NULL AUTO_INCREMENT, price_per_night decimal(6,2) DEFAULT NULL, service_fee decimal(5,2) DEFAULT NULL, cleaning_costs decimal(5,2) DEFAULT NULL, properties_property_id int NOT NULL, PRIMARY KEY (costs_id), FOREIGN KEY (properties_property_id) REFERENCES properties(property_id));
```

```
INSERT INTO `costs` VALUES
```

```
(1,110.10,12.00,60.00,1),(2,105.16,13.00,80.00,2),(3,130.50,18.00,70.00,3),(4,160.64,22.00,60.00,4),(5,90.00,10.00,80.00,5),(6,150.45,16.00,40.00,6),(7,189.19,19.00,40.00,7),(8,216.12,33.00,40.00,8),(9,60.50,8.00,55.00,9),(10,140.98,16.00,60.00,10),(11,105.56,11.00,70.00,11),(12,312.55,28.00,60.00,12),(13,156.45,16.00,80.00,13),(14,150.44,12.00,60.00,14),(15,112.12,11.00,40.00,15),(16,89.89,9.00,55.00,16),(17,205.65,26.00,50.00,17),(18,119.10,12.00,60.00,18),(19,189.65,18.00,50.00,19),(20,135.42,15.00,60.00,20);
```

```
1 • SELECT properties_property_id, cleaning_costs FROM costs
2 WHERE cleaning_costs <= 50;
```

	properties_property_id	cleaning_costs
▶	6	40.00
	7	40.00
	8	40.00
	15	40.00
	17	50.00
	19	50.00

property_has_amenities

```
CREATE TABLE property_has_amenities (properties_property_id int NOT NULL, amenities_amenities_id int NOT NULL, FOREIGN KEY (properties_property_id) REFERENCES properties(property_id), FOREIGN KEY (amenities_amenities_id) REFERENCES amenities(amenities_id);
```

```
INSERT INTO `property_has_amenities` VALUES
```

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

hosts_has_languages

```
CREATE TABLE hosts_has_languages (hosts_host_id int NOT NULL, languages_languages_id int NOT NULL, level varchar(80) DEFAULT NULL, FOREIGN KEY (hosts_host_id) REFERENCES hosts(host_id), FOREIGN KEY (languages_languages_id) REFERENCES languages(languages_id);
```

```
INSERT INTO `hosts_has_languages` VALUES (2,2,'Mother Tongue'),(3,6,'Mother Tongue'),(4,18,'Mother Tongue'),(5,20,'Mother Tongue'),(6,16,'Mother Tongue'),(7,4,'Mother Tongue'),(8,5,'Mother Tongue'),(9,9,'Mother Tongue'),(10,19,'Mother Tongue'),(11,20,'Mother Tongue'),(12,18,'Mother Tongue'),(13,2,'Mother Tongue'),(14,17,'Mother Tongue'),(15,11,'Mother Tongue'),(16,16,'Mother Tongue'),(17,4,'Mother Tongue'),(18,4,'Mother Tongue'),(19,1,'Mother Tongue'),(20,1,'Mother Tongue'),(1,1,'Mother Tongue');
```

guests_has_languages

```
CREATE TABLE guests_has_languages (guests_guest_id int NOT NULL, languages_languages_id int NOT NULL, level varchar(80) DEFAULT NULL, FOREIGN KEY (guests_guest_id) REFERENCES guests(guest_id), FOREIGN KEY (languages_languages_id) REFERENCES languages(languages_id);
```

```
INSERT INTO `guests_has_languages` VALUES (1,1,'Mother toungue'),(1,22,'Advanced'),(2,2,'Mother Tongue'),(3,6,'Mother Tongue'),(4,18,'Mother Tongue'),(5,20,'Mother Tongue'),(6,16,'Mother Tongue'),(7,4,'Mother Tongue'),(8,5,'Mother Tongue'),(9,9,'Mother Tongue'),(10,19,'Mother Tongue'),(11,20,'Mother Tongue'),(12,18,'Mother Tongue'),(13,2,'Mother Tongue'),(14,17,'Mother Tongue'),(15,11,'Mother Tongue'),(16,16,'Mother Tongue'),(17,4,'Mother Tongue'),(18,4,'Mother Tongue'),(19,1,'Mother Tongue'),(20,1,'Mother Tongue'),(2,5,'Advanced'),(3,7,'Advanced'),(4,8,'Advanced'),(5,2,'Advanced'),(6,6,'Advanced'),(7,14,'Advanced'),(8,15,'Advanced'),(9,19,'Advanced'),(10,9,'Advanced'),(11,2,'Advanced'),(12,8,'Advanced'),(13,12,'Advanced'),(14,7,'Advanced'),(15,1,'Advanced'),(16,6,'Beginner'),(17,14,'Beginner'),(18,14,'Beginner'),(19,11,'Beginner'),(20,11,'Beginner'),(21,17,'Beginner'),(1,11,'Beginner');
```

administrators_has_languages

```
CREATE TABLE administrators_has_languages (administrators_administrator_id int NOT NULL, languages_languages_id int NOT NULL, level varchar(80) DEFAULT NULL, FOREIGN KEY (administrators_administrator_id) REFERENCES administrators(administrator_id), FOREIGN KEY (languages_languages_id) REFERENCES languages(languages_id);
```

```
INSERT INTO `administrators_has_languages` VALUES (2,2,'Mother Tongue'),(3,6,'Mother Tongue'),(4,18,'Mother Tongue'),(5,20,'Mother Tongue'),(6,16,'Mother Tongue'),(7,4,'Mother Tongue'),(8,5,'Mother Tongue'),(9,9,'Mother Tongue'),(10,19,'Mother Tongue'),(11,20,'Mother Tongue'),(12,18,'Mother Tongue'),(13,2,'Mother Tongue'),(14,17,'Mother Tongue'),(15,11,'Mother Tongue'),(16,16,'Mother Tongue'),(17,4,'Mother Tongue'),(18,4,'Mother Tongue'),(19,1,'Mother Tongue'),(20,1,'Mother Tongue'),(21,7,'Mother Tongue'),(1,1,'Mother Tongue'),(2,5,'Advanced'),(3,7,'Advanced'),(4,8,'Advanced'),(5,2,'Advanced'),(6,6,'Advanced'),(7,14,'Advanced'),(8,15,'Advanced'),(9,19,'Advanced'),(10,9,'Advanced'),(11,2,'Advanced'),(12,8,'Advanced'),(13,12,'Advanced'),(14,7,'Advanced'),(15,1,'Advanced'),(16,6,'Beginner'),(17,14,'Beginner'),(18,14,'Beginner'),(19,11,'Beginner'),(20,11,'Beginner'),(21,17,'Beginner'),(1,11,'Beginner');
```

properties_has_beds

```
CREATE TABLE properties_has_beds (properties_property_id int NOT NULL, beds_bed_id int NOT NULL, number int DEFAULT NULL, FOREIGN KEY (properties_property_id) REFERENCES properties(property_id), FOREIGN KEY (beds_bed_id) REFERENCES beds(bed_id);
```

```
INSERT INTO `properties_has_beds` VALUES  
(1,1,1),(1,2,1),(2,1,2),(2,2,1),(3,1,1),(4,3,2),(4,4,1),(4,1,1),(5,5,2),(5,4,1),(6,1,1),(7,2,3),(7,3,2),(7,4,1),(8,5,1),(8,3,2),(9,4,1),(10,1,1),(11,2,2),(11,1,1),(12,3,2),(11,3,2),(13,1,1),(13,2,1),(14,3,1),(15,1,1),(15,2,3),(15,3,1),(16,1,1),(17,5,1),(18,3,3),(19,1,1),(20,1,2),(20,2,1),(20,5,1);
```