

BUAN 6320

**DB Foundations for Business Analytics
SQL Project - Seattle Airbnb Open Data**

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Group #: BUAN 6320_SW1b 1

Activity	Member 1	Member 2	Member 3	Member 4
Prepared Data Model and Created Physical DB	x			
Loaded Data into Database	x			
Wrote SQL Queries				
Prepared Mongo Database			x	
Loaded data into Mongo DB			x	
Wrote Mongo Queries				x
Prepared Report			x	x
Reviewed Report	x	x		

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Data in the Database	

Relational Data Model

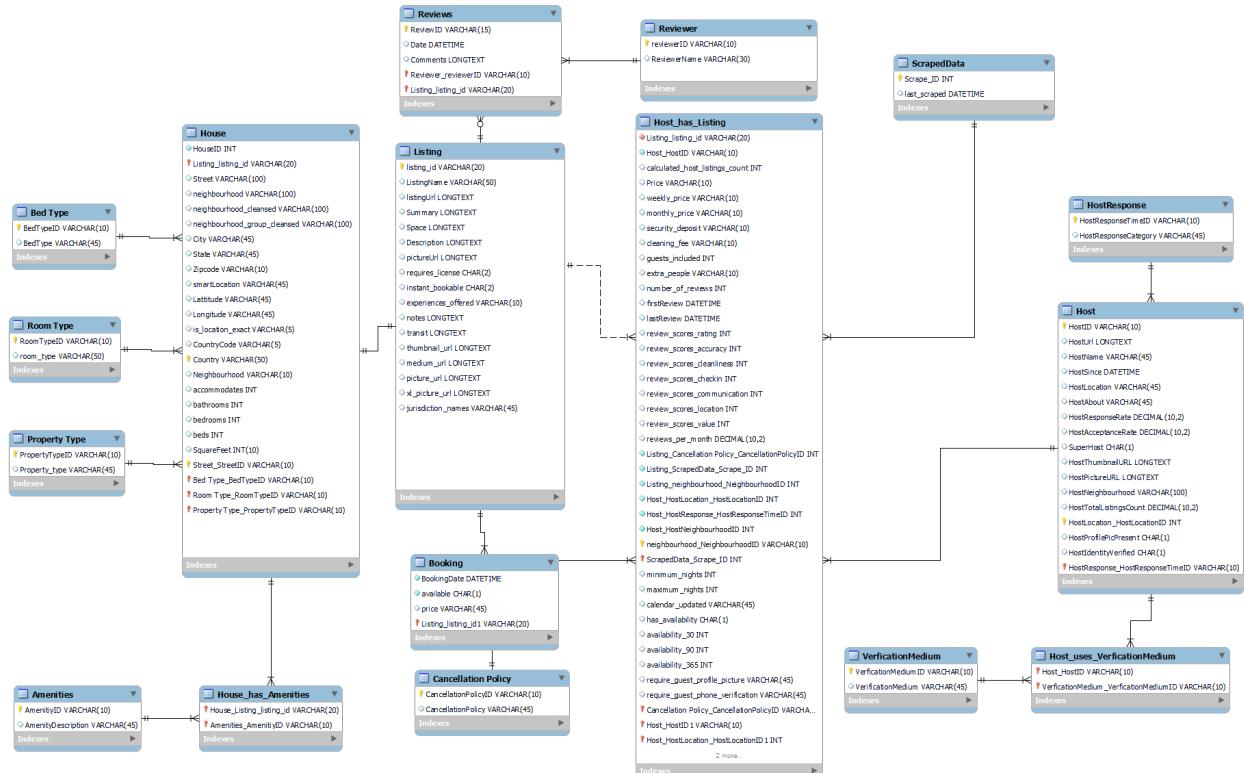
Assumptions/Notes About Data Entities and Relationships

Based on the given dataset, the following assumptions have been made to construct the following linking tables.

1. We have identified 17 tables as part of the ER diagram creation.
2. Entities *BedType*, *RoomType*, *PropertyType*, and *Amenities* are associated with Entity *House* with primary keys from this table serving as foreign keys in the ‘House’ Table. A unique ID has been assigned to individual entries in these tables for convenience.
3. Entity *Amenities* consist of the different amenities provided by each host (as mentioned in the listing). Due to its multi-valued nature, we have linked it with the *House* Entity using the link table *House_has_Amenities*.
4. Entity *House* consists of all attributes that are uniquely associated with each house such as street, neighbourhood, neighbourhood_cleansed, neighbourhood_group_cleansed, city, state, zipcode, smart_location, country_code, country, latitude, longitude, is_location_exact, propertyTypeID, roomTypeID, accommodates, bathrooms, bedrooms, beds, bedTypeID.
5. Entity *Reviewer* contains the reviewerID and name of the reviewer. The primary key in this table serves as the foreign key in the *Review* entity that contains the review data posted by reviewers.
6. Entity *Listing* contains of attributes such as listing_id, ListingName, listing_url, requires_license, instant_bookable, experiences_offered, thumbnail_url, medium_url, picture_url, xl_picture_url, jurisdiction_names.
7. Entity *booking* comprises of all the bookings present in the calendar.csv file. We have also assumed that it is not mandatory for a listing to have a booking against it.
8. Entities *House* & *Listing* are linked by the *House_on_listing* table which also contains review metrics provided in the dataset.
9. Entity *cancellationPolicy* consists of the possible cancellations permitted by the host. This is also linked to the *House_on_listing* table.
10. ScrappedData only contains the scrappingID and the date when the data was scrapped.
11. Entity *host* contains host details such as host_id, host_url, host_name, host_since, host_location, host_response_timeID, host_response_rate, host_acceptance_rate, host_is_superhost, host_thumbnail_url, host_picture_url, host_neighbourhood, host_total_listings_count, host_has_profile_pic, and host_identity_verified.
12. Entity *HostResponsetime* consists of the possible response times by which one can expect a response from the host.

13. Entity *VerificationMedium* consists of the possible medium through which the host has been verified. This is also linked to the *host table* using *Host_uses_verificationmedium* table.

Entity-Relationship Diagram



Physical MySQL Database

Assumptions/Notes About Data Set

Include any assumptions made about data such as empty fields, sparse data, bad data, etc.

Based on initial analysis of the given dataset, we have decided to drop the following data fields from the listing table.

1. host_listings_count – similar values to host_total_listings_count field
2. market – As values mentioned in the table is ‘Seattle’ which is obvious for the given dataset
3. calendar_last_scraped – same value as scraped_on
4. license – field is blank and does not contain any values for the rows in the dataset
5. experiences_offered – Contains a single value ‘None’ for all entries in the given dataset
6. Extremely long fields have been dropped due to size limitations

Screen shot of Physical Database objects

Name	Engine	Version	Row Format	Rows	Avg Row Length	Data Length	Max Data Length	Index Length
amenities	InnoDB	10	Dynamic	0	0	16.0 KIB	0.0 bytes	0.0 by
bedtype	InnoDB	10	Dynamic	0	0	16.0 KIB	0.0 bytes	0.0 by
booking	InnoDB	10	Dynamic	0	0	16.0 KIB	0.0 bytes	16.0
cancellationpolicy	InnoDB	10	Dynamic	0	0	16.0 KIB	0.0 bytes	0.0 by
host	InnoDB	10	Dynamic	0	0	16.0 KIB	0.0 bytes	32.0
host_has_listing	InnoDB	10	Dynamic	0	0	16.0 KIB	0.0 bytes	64.0
host_use_verificationmedi...	InnoDB	10	Dynamic	0	0	16.0 KIB	0.0 bytes	32.0
hostresponse	InnoDB	10	Dynamic	0	0	16.0 KIB	0.0 bytes	0.0 by
house	InnoDB	10	Dynamic	0	0	16.0 KIB	0.0 bytes	48.0
house_amenities	InnoDB	10	Dynamic	0	0	16.0 KIB	0.0 bytes	32.0
listing	InnoDB	10	Dynamic	0	0	16.0 KIB	0.0 bytes	0.0 by
neighbourhood	InnoDB	10	Dynamic	0	0	16.0 KIB	0.0 bytes	0.0 by
propertytype	InnoDB	10	Dynamic	0	0	16.0 KIB	0.0 bytes	0.0 by
reviewer	InnoDB	10	Dynamic	0	0	16.0 KIB	0.0 bytes	0.0 by
reviews	InnoDB	10	Dynamic	0	0	16.0 KIB	0.0 bytes	32.0
roomtype	InnoDB	10	Dynamic	0	0	16.0 KIB	0.0 bytes	0.0 by
scrapeddata	InnoDB	10	Dynamic	0	0	16.0 KIB	0.0 bytes	0.0 by
verificationmedium	InnoDB	10	Dynamic	0	0	16.0 KIB	0.0 bytes	0.0 by

Table	Column	Type	Default Value	Nullable	Character Set	Collation	Privileges
amenities	AmenityID	varchar(10)		NO	utf8mb4	utf8mb4_0900_...	select,insert
amenities	AmenityDescription	varchar(45)		YES	utf8mb4	utf8mb4_0900_...	select,insert
bedtype	BedType	varchar(45)		YES	utf8mb4	utf8mb4_0900_...	select,insert
bedtype	BedTypeID	varchar(10)		NO	utf8mb4	utf8mb4_0900_...	select,insert
booking	available	char(1)		NO	utf8mb4	utf8mb4_0900_...	select,insert
booking	BookingDate	datetime		NO	utf8mb4	utf8mb4_0900_...	select,insert
booking	Listing_listing_id	varchar(20)		NO	utf8mb4	utf8mb4_0900_...	select,insert
booking	price	varchar(45)		YES	utf8mb4	utf8mb4_0900_...	select,insert
cancellationpolicy	CancellationPolicy	varchar(45)		YES	utf8mb4	utf8mb4_0900_...	select,insert
cancellationpolicy	CancellationPolicyID	varchar(10)		NO	utf8mb4	utf8mb4_0900_...	select,insert
host	HostAbout	varchar(45)		YES	utf8mb4	utf8mb4_0900_...	select,insert
host	HostAcceptanceRate	decimal(10,2)		YES	utf8mb4	utf8mb4_0900_...	select,insert
host	HostID	varchar(10)		NO	utf8mb4	utf8mb4_0900_...	select,insert
host	HostIdentityVerified	char(1)		YES	utf8mb4	utf8mb4_0900_...	select,insert
host	HostLocation	varchar(45)		YES	utf8mb4	utf8mb4_0900_...	select,insert
host	HostLocation_HostLoc...	int		NO	utf8mb4	utf8mb4_0900_...	select,insert
host	HostName	varchar(45)		YES	utf8mb4	utf8mb4_0900_...	select,insert
host	HostNeighbourhoodID	varchar(10)		NO	utf8mb4	utf8mb4_0900_...	select,insert
host	HostPictureURL	longtext		YES	utf8mb4	utf8mb4_0900_...	select,insert
host	HostProfilePicPresent	char(1)		YES	utf8mb4	utf8mb4_0900_...	select,insert
host	HostResponse_HostRe...	varchar(10)		NO	utf8mb4	utf8mb4_0900_...	select,insert
host	HostResponseRate	decimal(10,2)		YES	utf8mb4	utf8mb4_0900_...	select,insert
host	HostResponseTimeID	varchar(45)		YES	utf8mb4	utf8mb4_0900_...	select,insert
host	HostSince	datetime		YES	utf8mb4	utf8mb4_0900_...	select,insert
host	HostThumbnailURL	longtext		YES	utf8mb4	utf8mb4_0900_...	select,insert
host	HostTotalListingsCount	decimal(10,2)		YES	utf8mb4	utf8mb4_0900_...	select,insert
host	HostUrl	longtext		YES	utf8mb4	utf8mb4_0900_...	select,insert

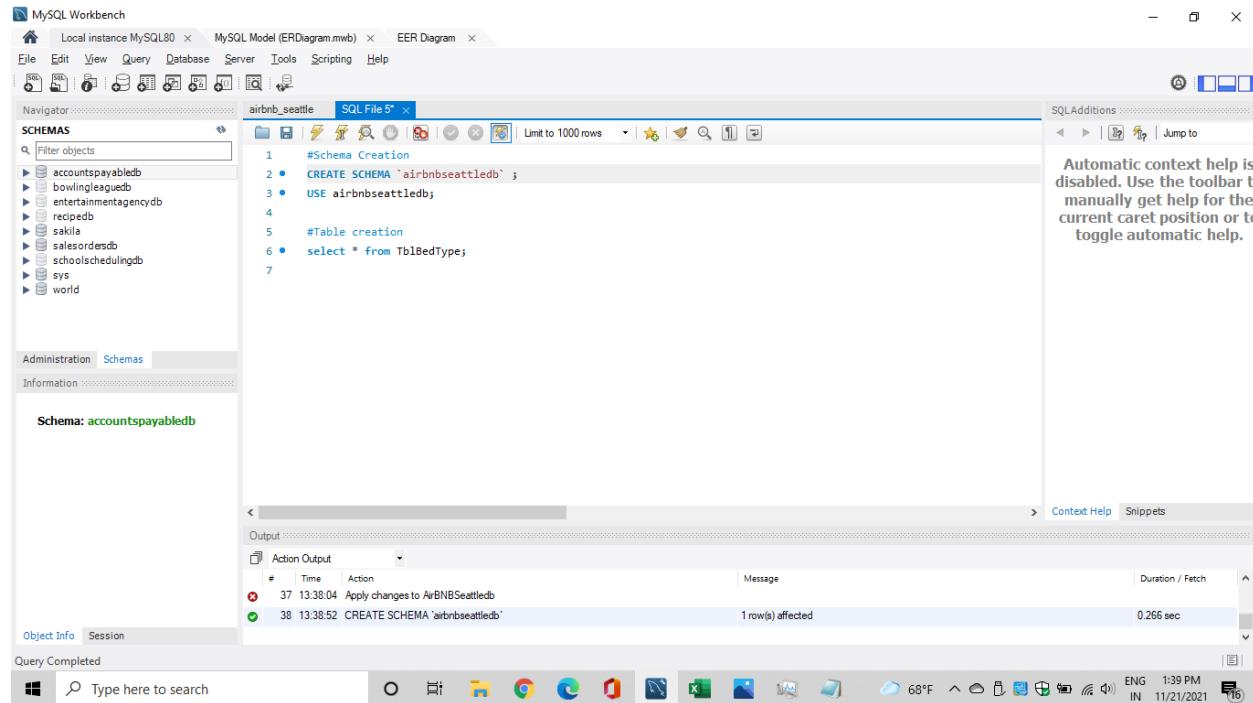
Data in the Database

Table Name	Primary Key	Foreign Key	# of Rows in Table
Amenities	AmenityID	NA	40
Bedtype	BedtypeID	NA	5
RoomType	RoomTypeID	NA	3
PropertyType	PropertyTypeID	NA	16
House	ListingID	BedtypeID, RoomTypeID, PropertyTypeID	3819
House_has_amenities	NA	AmenityID, ListingID	180107859*
ScrapedData	ScrapeID	NA	1
Host	HostID	HostResponseID	2751
HostResponse	HostResponse_timeID	NA	5
VerificationMedium	host_verificationID	NA	18
CancellationPolicy	cancellation_ID	NA	3
Reviewer	ReviewerID	NA	75730
Reviews	ReviewID	ReviewerID, ListingID	84849
Listing	ListingID	NA	3818
Booking	NA	ListingID	1048576*
Host_has_listing	NA	ListingID, HostID	3818
Host_uses_verification	NA	HostID, host_verificationID	234107859*

*Unable to load full extent of data from csv into DB-Table

Screenshots :

Schema Creation



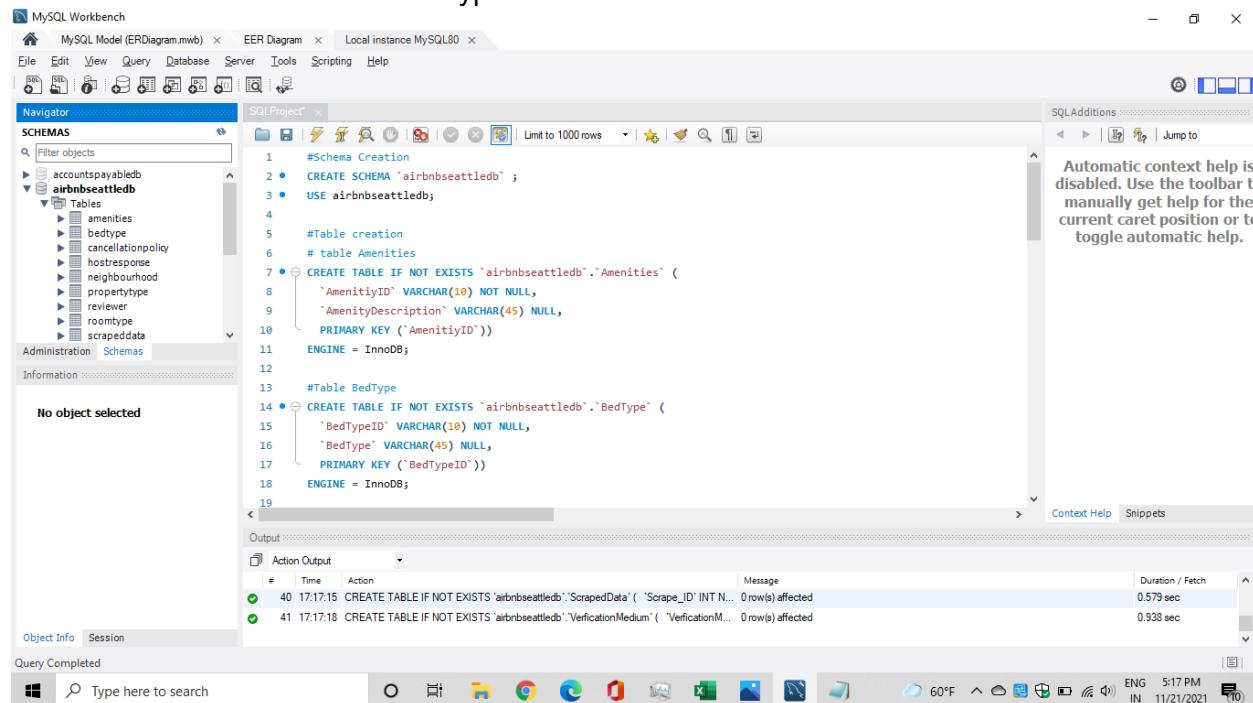
The screenshot shows the MySQL Workbench interface with the following details:

- Navigator:** Shows the list of databases: accountspayabledb, bowlingleaguedb, entertainmentagencydb, recipedb, sakila, salesordesdb, schoolschedulingdb, sys, and world.
- SQL Editor:** Titled "airbnb_seattle SQL File 5*", contains the following SQL code:

```
1 #Schema Creation
2 • CREATE SCHEMA `airbnbseattledb` ;
3 • USE `airbnbseattledb` ;
4
5 #Table creation
6 • select * from TblBedType;
```
- Output Window:** Shows the execution results:

#	Time	Action	Message	Duration / Fetch
37	13:38:04	Apply changes to AirBNBSeattledb		
38	13:38:52	CREATE SCHEMA `airbnbseattledb`	1 row(s) affected	0.266 sec
- System Tray:** Shows system icons, temperature (68°F), battery level, signal strength, and system status.

Table creation: Amenities and Bedtype



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

- Navigator:** Shows the list of databases: accountspayabledb and airbnbseattledb. Under airbnbseattledb, it lists tables: amenities, bedtype, cancellationpolicy, hostresponse, neighbourhood, propertytype, reviewer, roomtype, and scrapeddata.
- SQL Editor:** Titled "SQL Project", contains the following SQL code:

```
1 #Schema Creation
2 • CREATE SCHEMA `airbnbseattledb` ;
3 • USE `airbnbseattledb` ;
4
5 #Table creation
6 • table Amenities
7 • CREATE TABLE IF NOT EXISTS `airbnbseattledb`.`Amenities` (
8     `AmenityID` VARCHAR(10) NOT NULL,
9     `AmenityDescription` VARCHAR(45) NULL,
10    PRIMARY KEY (`AmenityID`)
11 ) ENGINE = InnoDB;
12
13 #Table BedType
14 • CREATE TABLE IF NOT EXISTS `airbnbseattledb`.`BedType` (
15     `BedTypeID` VARCHAR(10) NOT NULL,
16     `BedType` VARCHAR(45) NULL,
17    PRIMARY KEY (`BedTypeID`)
18 ) ENGINE = InnoDB;
```
- Output Window:** Shows the execution results:

#	Time	Action	Message	Duration / Fetch
40	17:17:15	CREATE TABLE IF NOT EXISTS `airbnbseattledb`.`ScrapedData` (`Scrape_ID` INT ...)	0 row(s) affected	0.579 sec
41	17:17:18	CREATE TABLE IF NOT EXISTS `airbnbseattledb`.`VerificationMedium` (`VerificationM...`)	0 row(s) affected	0.938 sec
- System Tray:** Shows system icons, temperature (60°F), battery level, signal strength, and system status.

Tables: CancellationPolicy, HostResponse

This screenshot shows the MySQL Workbench interface with the following details:

- MySQL Model (ERDiagram.mwb)** is the active project.
- Schemas** pane shows the **airbnbseattledb** schema containing tables: amenities, bedtype, cancellationpolicy, hostresponse, neighbourhood, propertytype, reviewer, roomtype, and scrapeddata.
- SQLProject** pane displays the generated SQL code for creating these tables. The code includes comments like "# Table CancellationPolicy", "# Table HostResponse", and "#Table neighbourhood".
- Output** pane shows the results of the executed queries, indicating 0 rows affected for both table creation commands.
- Session** bar at the bottom shows the system tray with icons for battery, signal, and network.

Tables: Neighborhood, PropertyType and Reviewer

This screenshot shows the MySQL Workbench interface with the following details:

- MySQL Model (ERDiagram.mwb)** is the active project.
- Schemas** pane shows the **airbnbseattledb** schema containing tables: amenities, bedtype, cancellationpolicy, hostresponse, neighbourhood, propertytype, reviewer, roomtype, and scrapeddata.
- SQLProject** pane displays the generated SQL code for creating the neighbourhood, PropertyType, and Reviewer tables. The code includes comments like "#Table neighbourhood", "#Table PropertyType", and "#Table Reviewer".
- Output** pane shows the results of the executed queries, indicating 0 rows affected for both table creation commands.
- Session** bar at the bottom shows the system tray with icons for battery, signal, and network.

Tables: RoomType, ScrapedData

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

- Navigator:** Shows the schema structure under the `airbnbbeattledb` database, including tables like `amenities`, `bedtype`, `cancellationpolicy`, `hostresponse`, `neighbourhood`, `propertytype`, `reviewer`, `roomtype`, and `scrapedata`.
- SQL Project:** The main pane displays the SQL code for creating the `RoomType` and `ScrapedData` tables.
- Output:** The bottom pane shows the execution results with two successful CREATE TABLE statements.

```

52     PRIMARY KEY (`reviewerID`))
53     ENGINE = InnoDB;
54
55     #Table RoomType
56 • CREATE TABLE IF NOT EXISTS `airbnbbeattledb`.`RoomType` (
57     `RoomTypeID` VARCHAR(10) NOT NULL,
58     `room_type` VARCHAR(50) NULL,
59     PRIMARY KEY (`RoomTypeID`))
60     ENGINE = InnoDB;
61
62     #Table ScrapedData
63 • CREATE TABLE IF NOT EXISTS `airbnbbeattledb`.`ScrapedData` (
64     `Scrape_ID` INT NOT NULL,
65     `last_scraped` DATETIME NULL,
66     PRIMARY KEY (`Scrape_ID`))
67     ENGINE = InnoDB;
68
69     #Table VerificationMedium
70 • CREATE TABLE IF NOT EXISTS `airbnbbeattledb`.`VerificationMedium` (

```

#	Time	Action	Message	Duration / Fetch
40	17:17:15	CREATE TABLE IF NOT EXISTS `airbnbbeattledb`.`ScrapedData` (`Scrape_ID` INT N...)	0 row(s) affected	0.579 sec
41	17:17:18	CREATE TABLE IF NOT EXISTS `airbnbbeattledb`.`VerificationMedium` (`VerificationMediumID` VARCHAR(10) NOT NULL, `VerificationMedium` VARCHAR(45) NULL, PRIMARY KEY (`VerificationMediumID`))	0 row(s) affected	0.938 sec

Tables: VerificationMedium

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

- Navigator:** Shows the schema structure under the `airbnbbeattledb` database, including tables like `amenities`, `bedtype`, `cancellationpolicy`, `hostresponse`, `neighbourhood`, `propertytype`, `reviewer`, `roomtype`, and `scrapedata`.
- SQL Project:** The main pane displays the SQL code for creating the `ScrapedData` and `VerificationMedium` tables.
- Output:** The bottom pane shows the execution results with two successful CREATE TABLE statements.

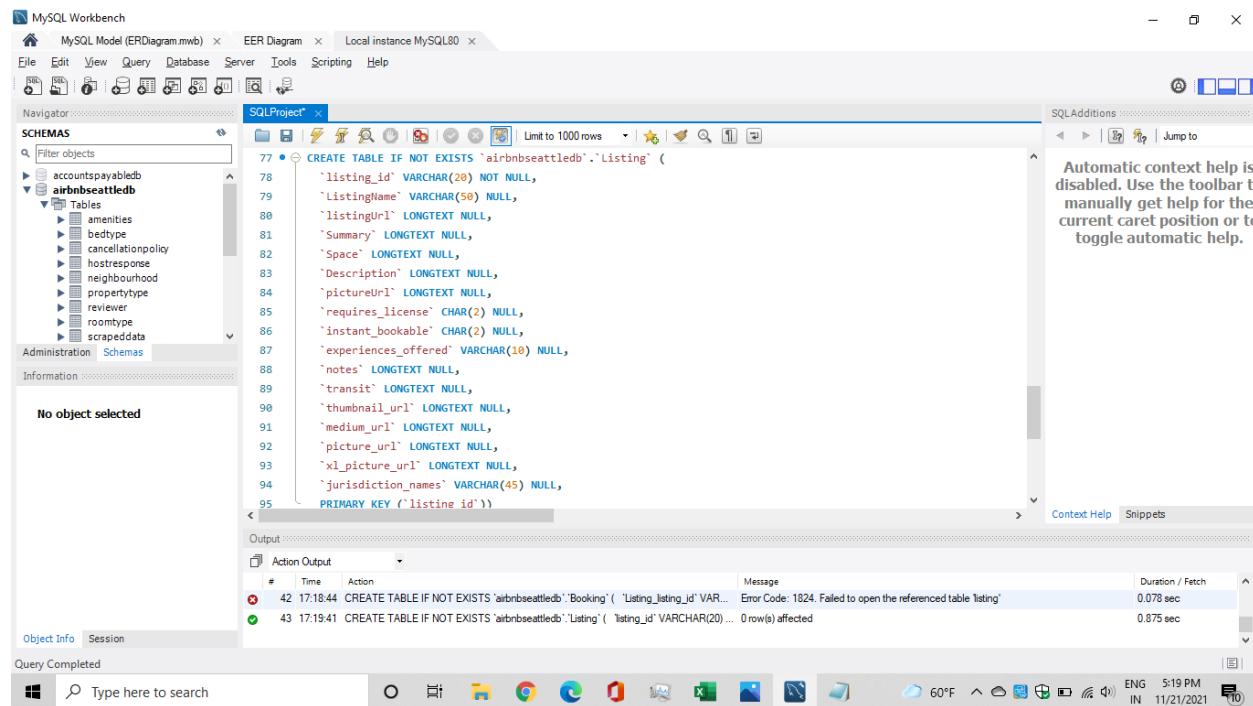
```

59     PRIMARY KEY (`RoomTypeID`))
60     ENGINE = InnoDB;
61
62     #Table ScrapedData
63 • CREATE TABLE IF NOT EXISTS `airbnbbeattledb`.`ScrapedData` (
64     `Scrape_ID` INT NOT NULL,
65     `last_scraped` DATETIME NULL,
66     PRIMARY KEY (`Scrape_ID`))
67     ENGINE = InnoDB;
68
69     #Table VerificationMedium
70 • CREATE TABLE IF NOT EXISTS `airbnbbeattledb`.`VerificationMedium` (
71     `VerificationMediumID` VARCHAR(10) NOT NULL,
72     `VerificationMedium` VARCHAR(45) NULL,
73     PRIMARY KEY (`VerificationMediumID`))
74     ENGINE = InnoDB;
75
76

```

#	Time	Action	Message	Duration / Fetch
40	17:17:15	CREATE TABLE IF NOT EXISTS `airbnbbeattledb`.`ScrapedData` (`Scrape_ID` INT N...)	0 row(s) affected	0.579 sec
41	17:17:18	CREATE TABLE IF NOT EXISTS `airbnbbeattledb`.`VerificationMedium` (`VerificationMediumID` VARCHAR(10) NOT NULL, `VerificationMedium` VARCHAR(45) NULL, PRIMARY KEY (`VerificationMediumID`))	0 row(s) affected	0.938 sec

Table: Listing



The screenshot shows the MySQL Workbench interface with the 'SQLProject' tab selected. In the center pane, the SQL editor displays the creation of the 'Listing' table:

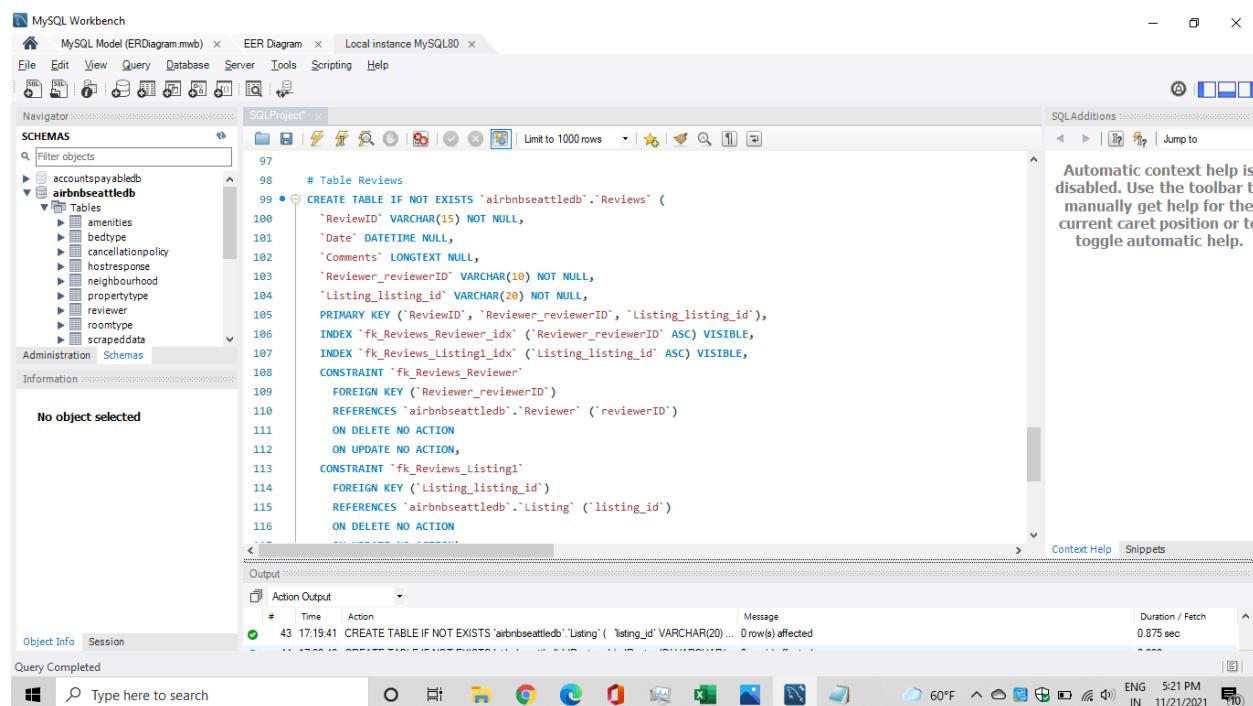
```

CREATE TABLE IF NOT EXISTS `airbnbseattledb`.`Listing` (
    `listing_id` VARCHAR(20) NOT NULL,
    `ListingName` VARCHAR(50) NULL,
    `listingUrl` LONGTEXT NULL,
    `Summary` LONGTEXT NULL,
    `Space` LONGTEXT NULL,
    `Description` LONGTEXT NULL,
    `pictureUrl` LONGTEXT NULL,
    `requires_license` CHAR(2) NULL,
    `instant_bookable` CHAR(2) NULL,
    `experiences_offered` VARCHAR(10) NULL,
    `notes` LONGTEXT NULL,
    `transit` LONGTEXT NULL,
    `thumbnail_url` LONGTEXT NULL,
    `medium_url` LONGTEXT NULL,
    `picture_url` LONGTEXT NULL,
    `xl_picture_url` LONGTEXT NULL,
    `jurisdiction_names` VARCHAR(45) NULL,
    PRIMARY KEY (`listing_id`)
)

```

The status bar at the bottom indicates the command was run at 17:18:44 and completed successfully at 17:19:41.

Table: Reviews



The screenshot shows the MySQL Workbench interface with the 'SQLProject' tab selected. In the center pane, the SQL editor displays the creation of the 'Reviews' table:

```

CREATE TABLE IF NOT EXISTS `airbnbseattledb`.`Reviews` (
    `ReviewID` VARCHAR(15) NOT NULL,
    `Date` DATETIME NULL,
    `Comments` LONGTEXT NULL,
    `Reviewer_reviewerID` VARCHAR(10) NOT NULL,
    `Listing_listing_id` VARCHAR(20) NOT NULL,
    PRIMARY KEY (`ReviewID`, `Reviewer_reviewerID`, `Listing_listing_id`),
    INDEX `fk_Reviews_Reviewer_idx` (`Reviewer_reviewerID` ASC) VISIBLE,
    INDEX `fk_Reviews_Listing_idx` (`Listing_listing_id` ASC) VISIBLE,
    CONSTRAINT `fk_Reviews_Reviewer`
        FOREIGN KEY (`Reviewer_reviewerID`)
            REFERENCES `airbnbseattledb`.`Reviewer` (`reviewerID`),
        ON DELETE NO ACTION,
        ON UPDATE NO ACTION,
    CONSTRAINT `fk_Reviews_Listing1`
        FOREIGN KEY (`Listing_listing_id`)
            REFERENCES `airbnbseattledb`.`Listing` (`listing_id`),
        ON DELETE NO ACTION
)

```

The status bar at the bottom indicates the command was run at 17:19:41 and completed successfully at 17:19:41.

Table: Booking

The screenshot shows the MySQL Workbench interface with the 'SQLProject' tab selected. The left sidebar displays the 'airbnbbeattledb' schema with various tables like 'amenities', 'bedtype', etc. The main pane shows the SQL code for creating the 'Booking' table:

```

114     FOREIGN KEY ('Listing_listing_id')
115       REFERENCES 'airbnbbeattledb'.`Listing` ('listing_id')
116     ON DELETE NO ACTION
117     ON UPDATE NO ACTION
118   ENGINE = InnoDB;
119
120   #Table Booking
121   CREATE TABLE IF NOT EXISTS `airbnbbeattledb`.`Booking` (
122     `Listing_listing_id` VARCHAR(20) NOT NULL,
123     `BookingDate` DATETIME NOT NULL,
124     `available` CHAR(1) NOT NULL,
125     `price` VARCHAR(45) NULL,
126     INDEX `fk_calendar_Listing1_idx` (`Listing_listing_id` ASC) VISIBLE,
127     CONSTRAINT `fk_calendar_Listing1`
128       FOREIGN KEY ('Listing_listing_id')
129         REFERENCES 'airbnbbeattledb'.`Listing` ('listing_id')
130       ON DELETE NO ACTION
131       ON UPDATE NO ACTION)
132   ENGINE = InnoDB;
133

```

The status bar at the bottom indicates 'Query Completed'.

Table: Host

The screenshot shows the MySQL Workbench interface with the 'SQLProject' tab selected. The left sidebar displays the 'airbnbbeattledb' schema with various tables like 'amenities', 'bedtype', etc. The main pane shows the SQL code for creating the 'Host' table:

```

128     FOREIGN KEY ('Listing_listing_id')
129       REFERENCES 'airbnbbeattledb'.`Listing` ('listing_id')
130     ON DELETE NO ACTION
131     ON UPDATE NO ACTION
132   ENGINE = InnoDB;
133
134   #Table Host
135   CREATE TABLE IF NOT EXISTS `airbnbbeattledb`.`Host` (
136     `HostID` VARCHAR(10) NOT NULL,
137     `HostUrl` LONGTEXT NULL,
138     `HostName` VARCHAR(45) NULL,
139     `HostSince` DATETIME NULL,
140     `HostLocation` VARCHAR(45) NULL,
141     `HostAbout` VARCHAR(45) NULL,
142     `HostResponseTimeID` VARCHAR(45) NULL,
143     `HostResponseRate` DECIMAL(10,2) NULL,
144     `HostAcceptanceRate` DECIMAL(10,2) NULL,
145     `SuperHost` CHAR(1) NULL,
146     `HostThumbnailURL` LONGTEXT NULL,
147     `HostProfileURL` LONGTEXT NULL
148

```

The status bar at the bottom indicates 'Query Completed'.

MySQL Workbench

MySQL Model (ERDiagram.mwb) × EER Diagram × Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

airbnbseattledb

Tables

- amenities
- bedtype
- cancellationpolicy
- hostresponse
- neighbourhood
- propertytype
- reviewer
- roomtype
- scrapedata

Administration Schemas

No object selected

```

150   `HostProfilePicPresent` CHAR(1) NULL,
151   `HostIdentityVerified` CHAR(1) NULL,
152   `HostNeighbourhoodID` VARCHAR(10) NOT NULL,
153   PRIMARY KEY (`HostID`, `Hostlocation_HostlocationID`, `HostNeighbourhoodID`, `HostResponse_HostResponseTimeID`),
154   INDEX `fk_Host_HostResponseTimeID` (`HostResponse_HostResponseTimeID` ASC) VISIBLE,
155   INDEX `fk_Host_NeighbourhoodID` (`HostNeighbourhoodID` ASC) VISIBLE,
156   CONSTRAINT `fk_Host_neighbourhood1`
157     FOREIGN KEY (`HostNeighbourhoodID`)
158       REFERENCES `airbnbseattledb`.`neighbourhood` (`NeighbourhoodID`)
159     ON DELETE NO ACTION
160     ON UPDATE NO ACTION,
161   CONSTRAINT `fk_Host_HostResponse1`
162     FOREIGN KEY (`HostResponse_HostResponseTimeID`)
163       REFERENCES `airbnbseattledb`.`HostResponse` (`HostResponseTimeID`)
164     ON DELETE NO ACTION
165     ON UPDATE NO ACTION)
166 ENGINE = InnoDB;
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183

```

Output

#	Time	Action	Message	Duration / Fetch
44	17:20:46	CREATE TABLE IF NOT EXISTS `airbnbseattledb`.`Reviews` (`ReviewID` VARCHAR(...)	0 row(s) affected	0.828 sec
45	17:22:49	CREATE TABLE IF NOT EXISTS `airbnbseattledb`.`Booking` (`Listing_listing_id` VAR...	0 row(s) affected	0.547 sec

Object Info Session

Query Completed

Type here to search

60°F ENG 5:23 PM IN 11/21/2021

Table: House

MySQL Workbench

MySQL Model (ERDiagram.mwb) × EER Diagram × Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

airbnbseattledb

Tables

- amenities
- bedtype
- cancellationpolicy
- hostresponse
- neighbourhood
- propertytype
- reviewer
- roomtype
- scrapedata

Administration Schemas

No object selected

```

164   REFERENCES `airbnbseattledb`.`HostResponse` (`HostResponseTimeID`)
165   ON DELETE NO ACTION
166   ON UPDATE NO ACTION)
167   ENGINE = InnoDB;
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183

```

Output

#	Time	Action	Message	Duration / Fetch
44	17:20:46	CREATE TABLE IF NOT EXISTS `airbnbseattledb`.`Reviews` (`ReviewID` VARCHAR(...)	0 row(s) affected	0.828 sec
45	17:22:49	CREATE TABLE IF NOT EXISTS `airbnbseattledb`.`Booking` (`Listing_listing_id` VAR...	0 row(s) affected	0.547 sec

Object Info Session

Query Completed

Type here to search

60°F ENG 5:24 PM IN 11/21/2021

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

accountspayabledb

airbnbbeatledb

- Tables
 - amenities
 - bedtype
 - cancellationpolicy
 - hostresponse
 - neighbourhood
 - propertytype
 - reviewer
 - roomtype
 - scrapedata

Administration Schemas

No object selected

```

210     ON DELETE NO ACTION
211     ON UPDATE NO ACTION,
212     CONSTRAINT `fk_House_Bed Type1`
213     FOREIGN KEY (`Bed Type_BedTypeID`)
214     REFERENCES `airbnbbeatledb`.`Bed Type`(`BedTypeID`)
215     ON DELETE NO ACTION,
216     ON UPDATE NO ACTION,
217     CONSTRAINT `fk_House_Room Type1`
218     FOREIGN KEY (`Room Type_RoomTypeID`)
219     REFERENCES `airbnbbeatledb`.`Room Type`(`RoomTypeID`)
220     ON DELETE NO ACTION
221     ON UPDATE NO ACTION,
222     CONSTRAINT `fk_House_Property Type1`
223     FOREIGN KEY (`Property Type_PropertyTypeID`)
224     REFERENCES `airbnbbeatledb`.`Property Type`(`PropertyTypeID`)
225     ON DELETE NO ACTION
226     ON UPDATE NO ACTION
227     ENGINE = InnoDB;
228

```

Output

#	Time	Action	Message	Duration / Fetch
44	17:20:46	CREATE TABLE IF NOT EXISTS `airbnbbeatledb`.`Reviews` (`ReviewID` VARCHAR(255))	0 row(s) affected	0.828 sec
45	17:22:49	CREATE TABLE IF NOT EXISTS `airbnbbeatledb`.`Booking` (`Listing_Listing_Id` VARCHAR(255))	0 row(s) affected	0.547 sec

Object Info Session

Query Completed

Type here to search

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

accountspayabledb

airbnbbeatledb

- Tables
 - amenities
 - bedtype
 - cancellationpolicy
 - hostresponse
 - neighbourhood
 - propertytype
 - reviewer
 - roomtype
 - scrapedata

Administration Schemas

No object selected

```

202     ON DELETE NO ACTION
203     ON UPDATE NO ACTION,
204     CONSTRAINT `fk_House_Bed Type1`
205     FOREIGN KEY (`Bed Type_BedTypeID`)
206     REFERENCES `airbnbbeatledb`.`Bed Type`(`BedTypeID`)
207     ON DELETE NO ACTION
208     ON UPDATE NO ACTION,
209     CONSTRAINT `fk_House_Room Type1`
210     FOREIGN KEY (`Room Type_RoomTypeID`)
211     REFERENCES `airbnbbeatledb`.`Room Type`(`RoomTypeID`)
212     ON DELETE NO ACTION
213     ON UPDATE NO ACTION,
214     CONSTRAINT `fk_House_Property Type1`
215     FOREIGN KEY (`Property Type_PropertyTypeID`)
216     REFERENCES `airbnbbeatledb`.`Property Type`(`PropertyTypeID`)
217     ON DELETE NO ACTION
218     ON UPDATE NO ACTION
219     ENGINE = InnoDB;
220

```

Output

#	Time	Action	Message	Duration / Fetch
52	17:27:42	CREATE TABLE IF NOT EXISTS `airbnbbeatledb`.`House` (`HouseID` INT NOT NULL)	Error Code: 1824. Failed to open the referenced table 'bed type'	0.015 sec
53	17:28:09	CREATE TABLE IF NOT EXISTS `airbnbbeatledb`.`House` (`HouseID` INT NOT NULL)	0 row(s) affected, 1 warning(s): 1681 Integer display width is deprecated and will be removed at some point in the future.	2.156 sec

Object Info Session

Query Completed

Type here to search

Table: House has listing

The screenshot shows the MySQL Workbench interface with the 'SQLProject' tab selected. The code pane displays the SQL script for creating the 'House_has_listing' table:

```

270     ON DELETE NO ACTION
271     ON UPDATE NO ACTION,
272     CONSTRAINT `fk_Host_has_Listing_neighbourhood1`
273       FOREIGN KEY (`neighbourhood_NeighbourhoodID`)
274         REFERENCES `airbnbseattledb`.`neighbourhood` (`NeighbourhoodID`)
275     ON DELETE NO ACTION
276     ON UPDATE NO ACTION,
277     CONSTRAINT `fk_Host_has_Listing_ScrapedData1`
278       FOREIGN KEY (`ScrapedData_Scrape_ID`)
279         REFERENCES `airbnbseattledb`.`ScrapedData` (`Scrape_ID`)
280     ON DELETE NO ACTION
281     ON UPDATE NO ACTION,
282     CONSTRAINT `fk_Host_has_Listing_Cancellation_Policy1`
283       FOREIGN KEY (`Cancellation_Policy_CancellationPolicyID`)
284         REFERENCES `airbnbseattledb`.`CancellationPolicy` (`CancellationPolicyID`)
285     ON DELETE NO ACTION
286     ON UPDATE NO ACTION)
287   ENGINE = InnoDB;
288

```

The status bar at the bottom indicates 'Query Completed'.

Table: HostUsesVerificationMedium

The screenshot shows the MySQL Workbench interface with the 'SQLProject' tab selected. The code pane displays the SQL script for creating the 'HostUsesVerificationMedium' table:

```

289     CREATE TABLE IF NOT EXISTS `airbnbseattledb`.`Host_uses_VerificationMedium` (
290       `Host_HostID` VARCHAR(10) NOT NULL,
291       `VerificationMedium_VerificationMediumID` VARCHAR(10) NOT NULL,
292       PRIMARY KEY (`Host_HostID`, `VerificationMedium_VerificationMediumID`),
293       INDEX `fk_Host_has_VerificationMedium_VerificationMedium1_idx` (`VerificationMedium_VerificationMediumID` ASC) VISIBLE,
294       INDEX `fk_Host_has_VerificationMedium_Host1_idx` (`Host_HostID` ASC) VISIBLE,
295       CONSTRAINT `fk_Host_has_VerificationMedium_VerificationMedium1`
296         FOREIGN KEY (`Host_HostID`)
297           REFERENCES `airbnbseattledb`.`Host` (`HostID`)
298         ON DELETE NO ACTION
299         ON UPDATE NO ACTION,
300       CONSTRAINT `fk_Host_has_VerificationMedium_VerificationMedium1`
301         FOREIGN KEY (`VerificationMedium_VerificationMediumID`)
302           REFERENCES `airbnbseattledb`.`VerificationMedium` (`VerificationMediumID`)
303         ON DELETE NO ACTION
304         ON UPDATE NO ACTION)
305     ENGINE = InnoDB;
306

```

The status bar at the bottom indicates 'Query Completed'.

Table: House_has_Amenities

```

MySQL Model (ERDiagram.mwb) × EER Diagram × Local instance MySQL80 ×
File Edit View Query Database Server Tools Scripting Help
Navigator SQLProject ×
SCHEMAS Filter objects
cancellationpolicy
host_has_listing
hostresponse
listing
house
neighbourhood
propertyprefs
reviewer
reviews
roomtype
scrapeddata
verificationmedium
Administration Schemas
No object selected
Information
Object Info Session
Output
Action Output
# Time Action Message Duration / Fetch
59 17:32:58 CREATE TABLE IF NOT EXISTS `airbnbseattledb`.`House_has_Amenities` (
  `House_Listing_listing_id` VARCHAR(20) NOT NULL,
  `Amenities_AmenityID` VARCHAR(10) NOT NULL,
  PRIMARY KEY (`House_Listing_listing_id`, `Amenities_AmenityID`),
  INDEX `fk_House_has_House_idx` (`House_Listing_listing_id` ASC) VISIBLE,
  INDEX `fk_Amenities_has_House_idx` (`Amenities_AmenityID` ASC) VISIBLE,
  CONSTRAINT `fk_Amenities_has_House_House`
    FOREIGN KEY (`House_Listing_listing_id`)
      REFERENCES `airbnbseattledb`.`House` (`Listing_listing_id`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION,
  CONSTRAINT `fk_Amenities_has_House_Amenities1`
    FOREIGN KEY (`Amenities_AmenityID`)
      REFERENCES `airbnbseattledb`.`Amenities` (`AmenityID`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;

```

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

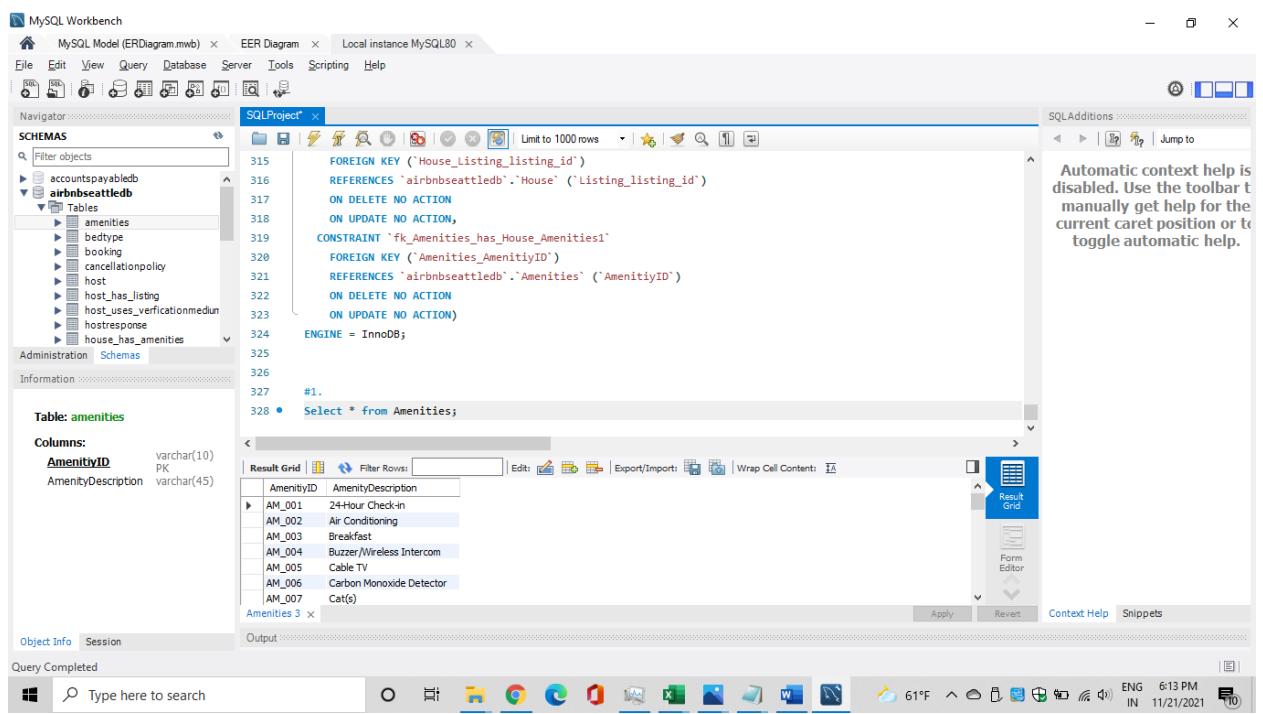
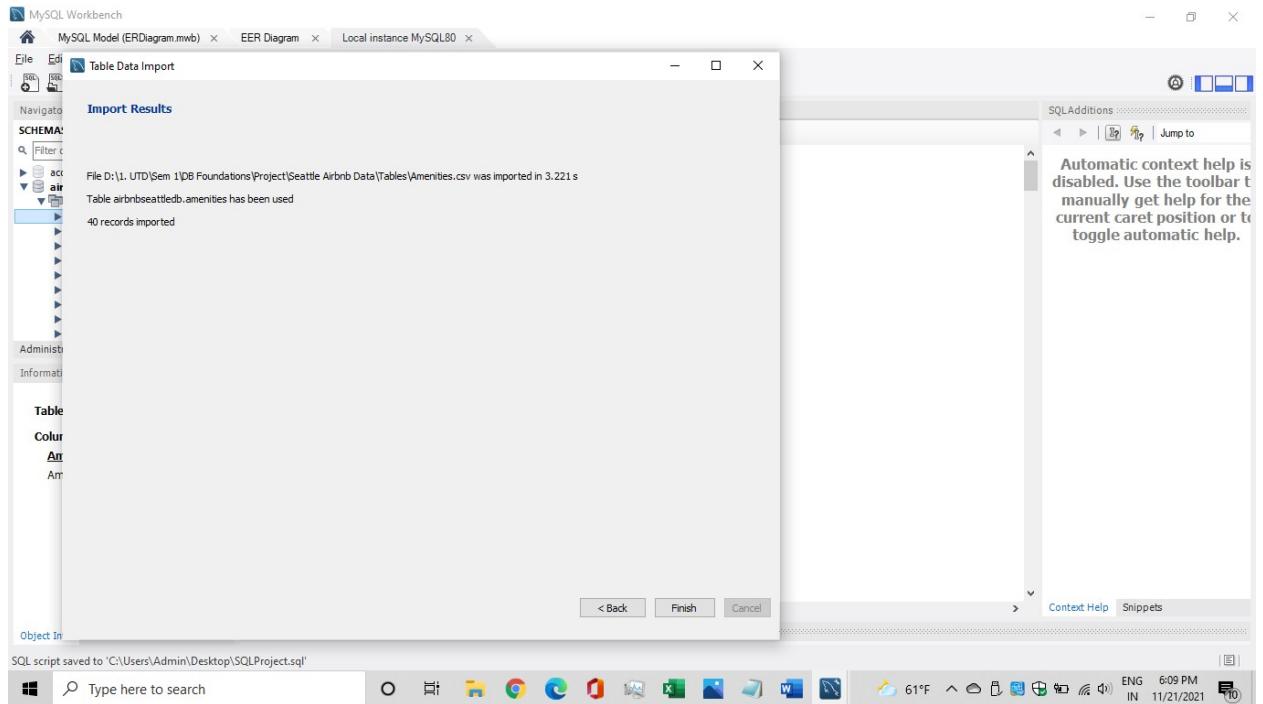
Loading the tables

1. Amenities

The 'Table Data Import' dialog is open, showing the 'Configure Import Settings' step. The 'Schema' dropdown is set to 'air'. The 'Encoding' dropdown is set to 'utf-8'. Under 'Columns', two columns are mapped: 'i=AmenityID' to 'AmenityID' and 'Amenity' to 'AmenityDescription'. Below the dialog, a preview table shows the following data:

i=AmenityID	Amenity
AM_001	24-Hour Ch...
AM_002	Air Condito...
AM_003	Breakfast...
AM_004	Buzzer/Wir...
AM_005	Cable TV

At the bottom of the dialog, there are 'Next >' and 'Cancel' buttons. The status bar at the bottom of the window indicates 'SQL script saved to 'C:\Users\Admin\Desktop\SQLProject.sql''.



MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: SQLProject*

SCHEMAS: airbnbseattledb

Tables: amenities, bedtype, booking, cancellationpolicy, host, host_has_listing, host_uses_verificationmedium, hostresponse, house_has_amenities

SQL Editor:

```

316 | REFERENCES `airbnbseattledb`.`House` (`Listing_listing_id`)
317 | ON DELETE NO ACTION
318 | ON UPDATE NO ACTION,
319 | CONSTRAINT `fk_Amenities_has_House_Amenities1`
320 | FOREIGN KEY (`Amenities_AmenityID`)
321 | REFERENCES `airbnbseattledb`.`Amenities` (`AmenityID`)
322 | ON DELETE NO ACTION
323 | ON UPDATE NO ACTION)
324 ENGINE = InnoDB;
325
326
327 #1.
328 • Select * from Amenities;
329 • Select count(*) "No of Rows:" from Amenities;

```

Result Grid:

No of Rows:
40

Object Info Session Output: Read Only Context Help Snippets

Query Completed

2. Table: BedType

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Table Data Import

SCHEMAS: airbnbs

Tables: bedtype

Configure Import Settings:

Detected file format: csv

Encoding: utf-8

Columns:

Source Column	Dest Column
iBedTypeID	BedTypeID
BedType	BedType

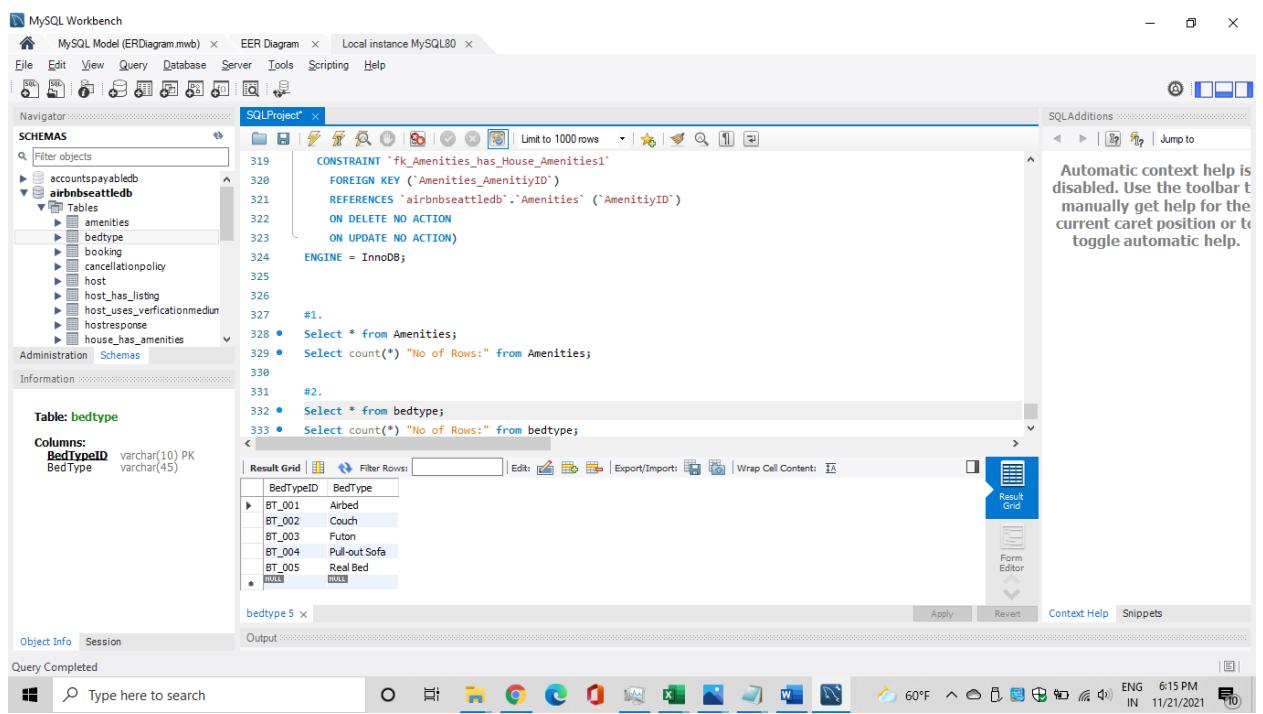
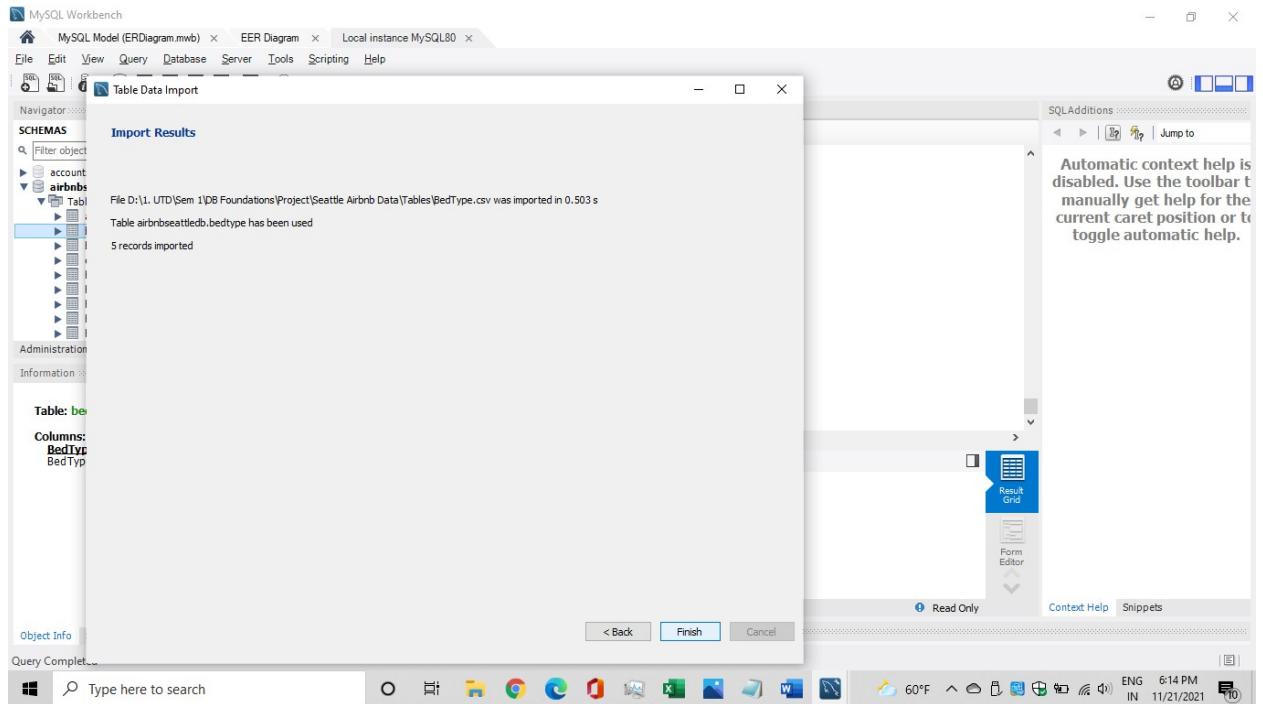
Table: bedtype

Columns: BedType

iBedTypeID	BedType
BT_001	Airbed
BT_002	Couch
BT_003	Futon
BT_004	Pull-out Sofa
BT_005	Real Bed

Object Info Session Output: Read Only Context Help Snippets

Query Completed



MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: SQLProject*

SCHEMAS: airbnbseattledb

Tables: amenities, bedtype, booking, cancellationpolicy, host, host_has_listing, host_uses_verificationmedium, hostresponse, house_has_amenities

SQL Editor:

```

320 | FOREIGN KEY (`Amenities_AmenityID`)
321 | REFERENCES `airbnbseattledb`.`Amenities` (`AmenityID`)
322 | ON DELETE NO ACTION
323 | ON UPDATE NO ACTION
324 |
325 |
326 |
327 | #1.
328 | Select * from Amenities;
329 | Select count(*) "No of Rows:" from Amenities;
330 |
331 | #2.
332 | Select * from bedtype;
333 | Select count(*) "No of Rows:" from bedtype;

```

Result Grid:

No of Rows:
5

Object Info Session

Query Completed

Type here to search

60°F ENG 6:15 PM IN 11/21/2021

3. Table: CancellationPolicy

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Table Data Import

SCHEMAS: airbnbseattledb

Tables: amenities, bedtype, booking, cancellationpolicy, host, host_has_listing, host_uses_verificationmedium, house_has_amenities

Configure Import Settings:

Detected file format: csv

Encoding: utf-8

Columns:

Source Column	Dest Column
i>cancellation_ID	CancellationPolicyID
cancellation_policy	CancellationPolicy

Result Grid:

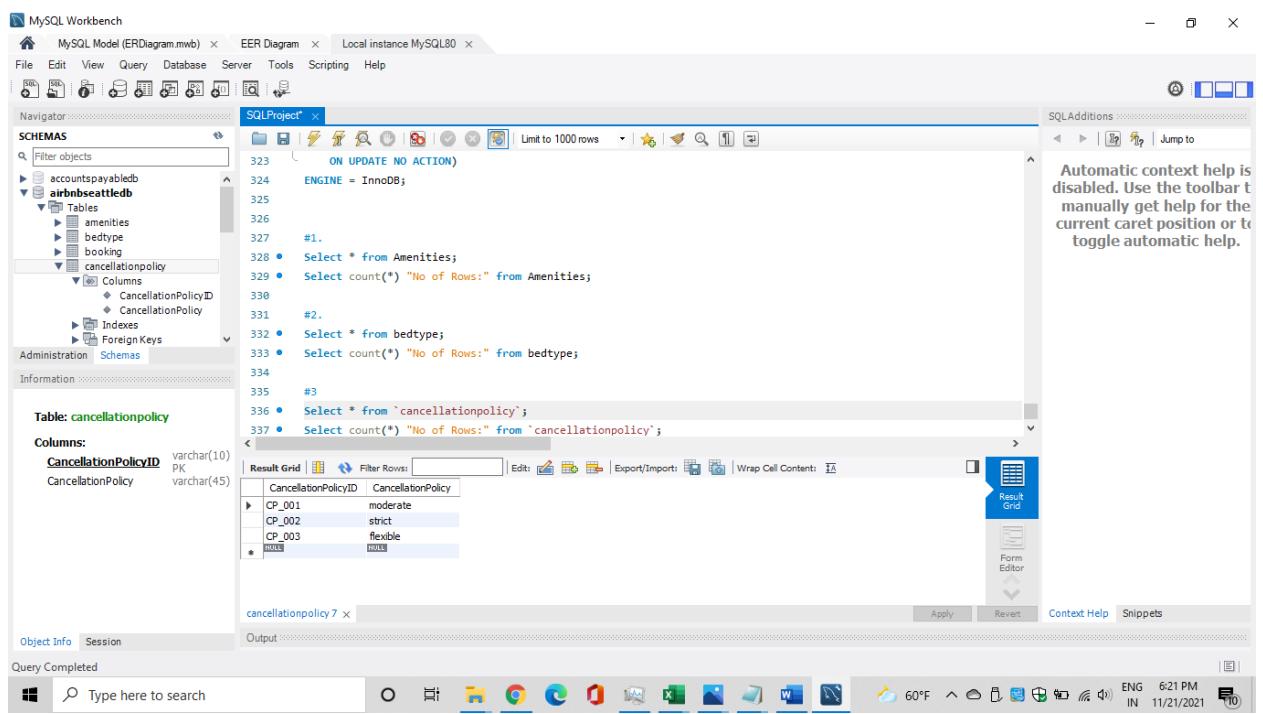
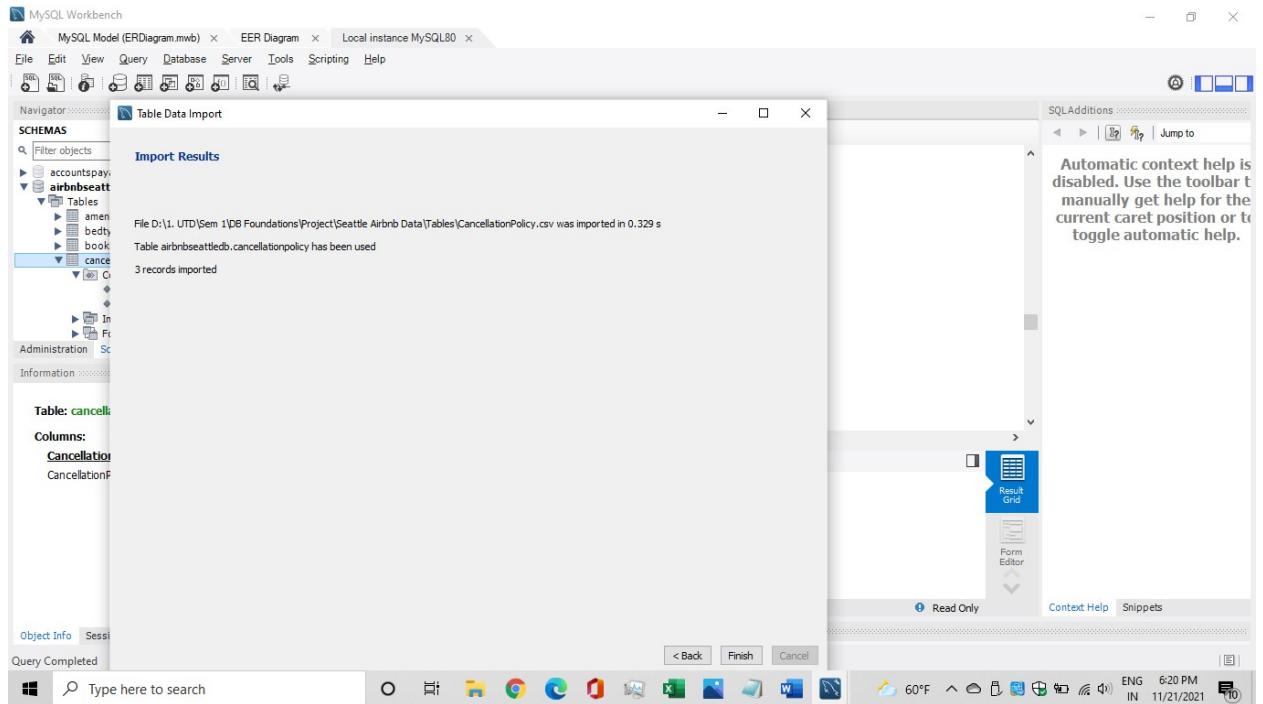
i>cancellation...	cancellation...
CP_001	moderate
CP_002	strict
CP_003	flexible

Object Info Session

Query Completed

Type here to search

60°F ENG 6:20 PM IN 11/21/2021



MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: SQLProject*

SCHEMAS: airbnbseattledb

Tables: cancellationpolicy

Columns: CancellationPolicyID, CancellationPolicy

Indexes: Foreign Keys

Information: Table: cancellationpolicy

Columns: CancellationPolicyID, CancellationPolicy

Result Grid:

No of Rows:
3

Result 8 x

Object Info Session

Query Completed

Type here to search

Result Grid Form Editor Context Help Snippets

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

4. Table: propertytype

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: SQL Project*

SCHEMAS: property

Tables: reviews, roomtype, scrapeddata, verification

Columns: PropertyTypeID, Property_type

Configure Import Settings

Detected file format: csv

Encoding: utf-8

Columns:

Source Column	Dest Column
idxPropertyTypeID	PropertyTypeID
PropertyType	Property_type

Result Grid:

idxProperty...	PropertyT...
PRT_001	Apartment
PRT_002	Bed & Breakfast
PRT_003	Boat
PRT_004	Bungalow
PRT_005	Cabin

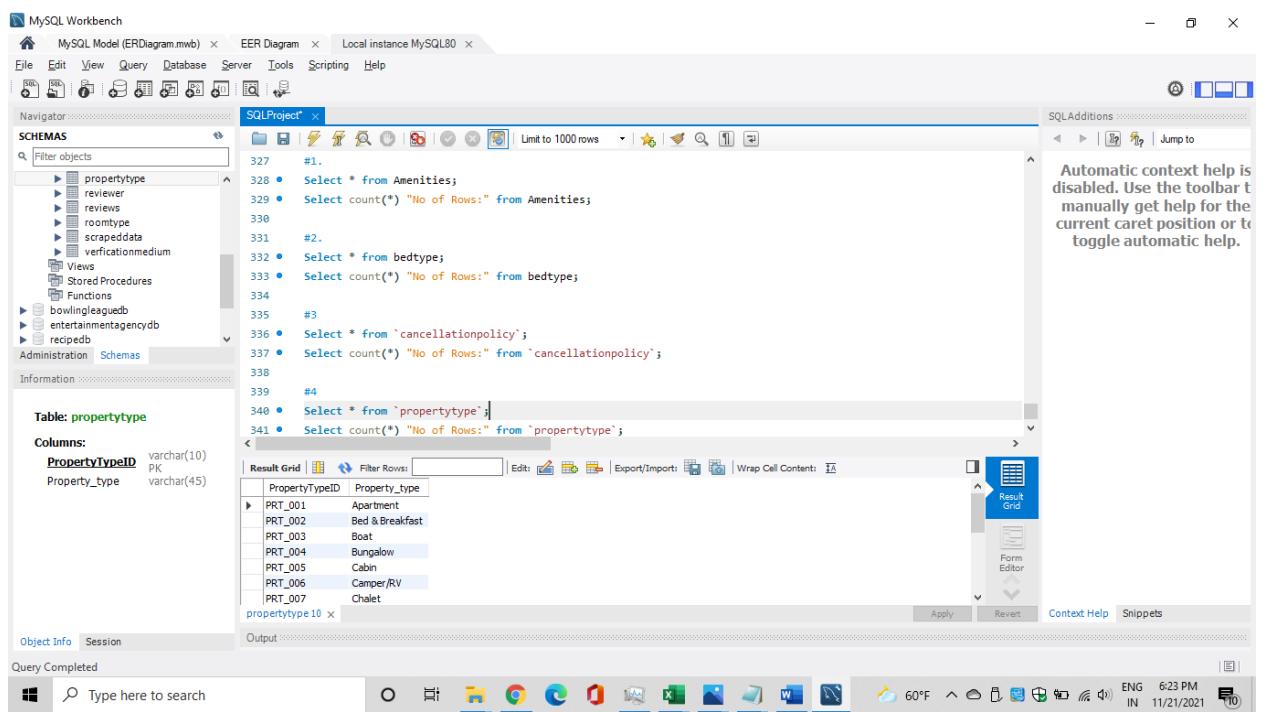
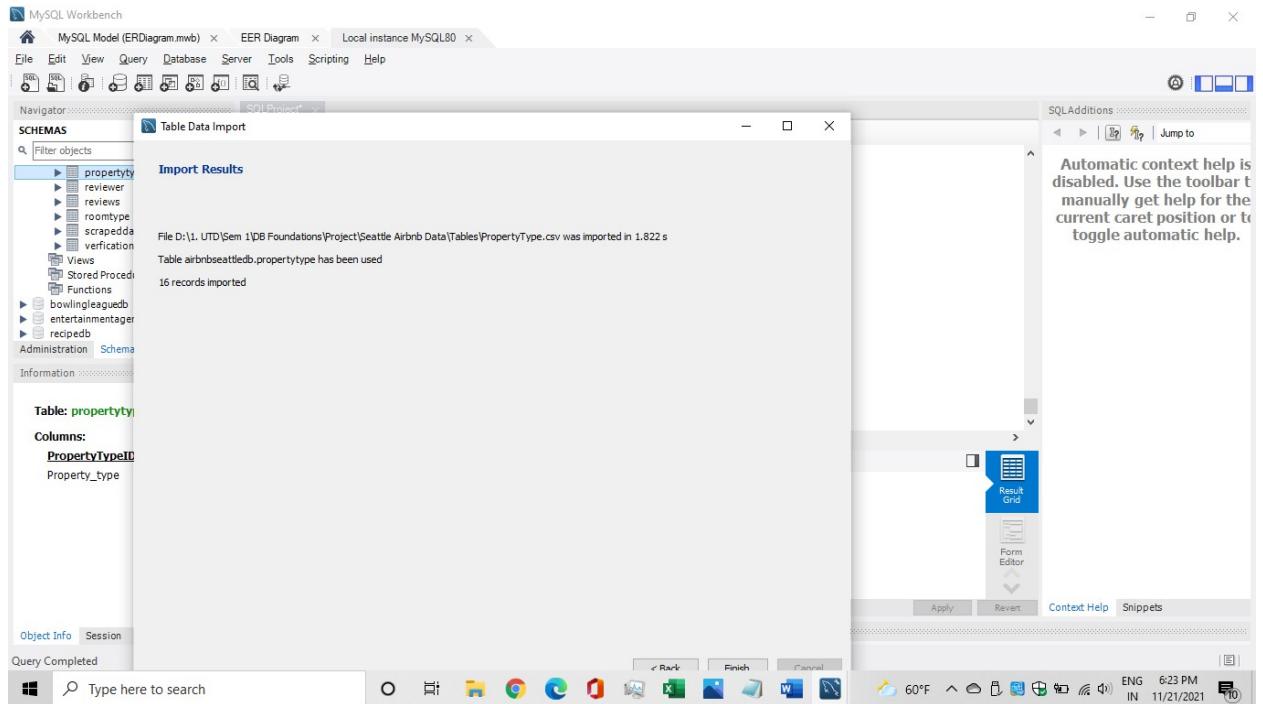
Object Info Session

Query Completed

Type here to search

Result Grid Form Editor Context Help Snippets

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.



MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: SQLProject*

SCHEMAS

Table: propertytype

Columns:

PropertyTypeID	varchar(10)
Property_type	varchar(45)

Result Grid | Filter Rows: Export: Wrap Cell Content: Read Only Context Help Snippets

Output: Result 11

Object Info Session

Query Completed

The screenshot shows the MySQL Workbench interface with a query editor containing a script to count rows in various tables. Below the script is a results grid showing the count of rows for the propertytype table, which is 16. The results grid has columns for 'No of Rows' and a row for '16'.

5. Table: RoomType

MySQL Workbench

File

Configure Import Settings

Detected file format: csv

Encoding: utf-8

Columns:

<input checked="" type="checkbox"/> Source Column	<input checked="" type="checkbox"/> Dest Column
<input checked="" type="checkbox"/> iinRoomTypeID	<input checked="" type="checkbox"/> RoomTypeID
<input checked="" type="checkbox"/> room_type	<input checked="" type="checkbox"/> room_type

iinRoomType... room_type

RT_001	Entire home...
RT_002	Private room
RT_003	Shared room

< Back Next > Cancel

Object Info Session Output

Query Completed

The screenshot shows the MySQL Workbench interface with a 'Configure Import Settings' dialog open. The dialog is set up to import a CSV file with encoding 'utf-8'. It maps 'Source Column' to 'Dest Column' for both 'iinRoomTypeID' and 'room_type'. Below the dialog, a preview of the data in the 'room_type' column is shown, listing three room types: RT_001 (Entire home...), RT_002 (Private room), and RT_003 (Shared room).

MySQL Workbench

Table Data Import

Import Results

File D:\1. UTD\Gem 1\PP Foundations\Project\Seattle Airbnb Data\Tables\roomType.csv was imported in 0.408 s

Table airbnbseattledb.roomtype has been used

3 records imported

< Back | Finish | Cancel

Object Info Session Output

Query Completed

Type here to search

MySQL Workbench

MySQL Model (ERDiagram.mwb) x EER Diagram x Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

- house_has_amenities
- listing
- house
- neighbourhood
- propertytype
- reviewer
- reviews
- roomtype
- scrapedata
- verificationmedium
- Views
- Stored Procedures

Administration Schemas

Information

Table: roomtype

Columns:

RoomTypeID	varchar(10) PK
room_type	varchar(50)

Result Grid | Filter Rows: [] | Edit: [] | Export/Import: [] | Wrap Cell Content: []

RoomTypeID	room_type
RT_001	Entire home/apt
RT_002	Private room
RT_003	Shared room
*	HULL

roomtype 12 x

Object Info Session Output

Query Completed

Type here to search

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: SQLProject*

SCHEMAS

Table: roomtype

Columns:

RoomTypeID	VARCHAR(10) PK
room_type	VARCHAR(50)

Result Grid

No of Rows:
3

Result 13 x

Object Info Session Output

Query Completed

```

332 • Select * from bedtype;
333 • Select count(*) "No of Rows:" from bedtype;
334
335 #3
336 • Select * from `cancellationpolicy`;
337 • Select count(*) "No of Rows:" from `cancellationpolicy`;
338
339 #4
340 • Select * from `propertytype`;
341 • Select count(*) "No of Rows:" from `propertytype`;
342
343 #5
344 • Select * from `roomtype`;
345 • Select count(*) "No of Rows:" from `roomtype`;

```

6. Reviewer

MySQL Workbench

File Edit Table Data Import

Configure Import Settings

Detected file format: csv

Encoding: utf-8

Columns:

<input checked="" type="checkbox"/> Source Column	Dest Column
<input checked="" type="checkbox"/> reviewerID	reviewerID
<input checked="" type="checkbox"/> ReviewerName	ReviewerName

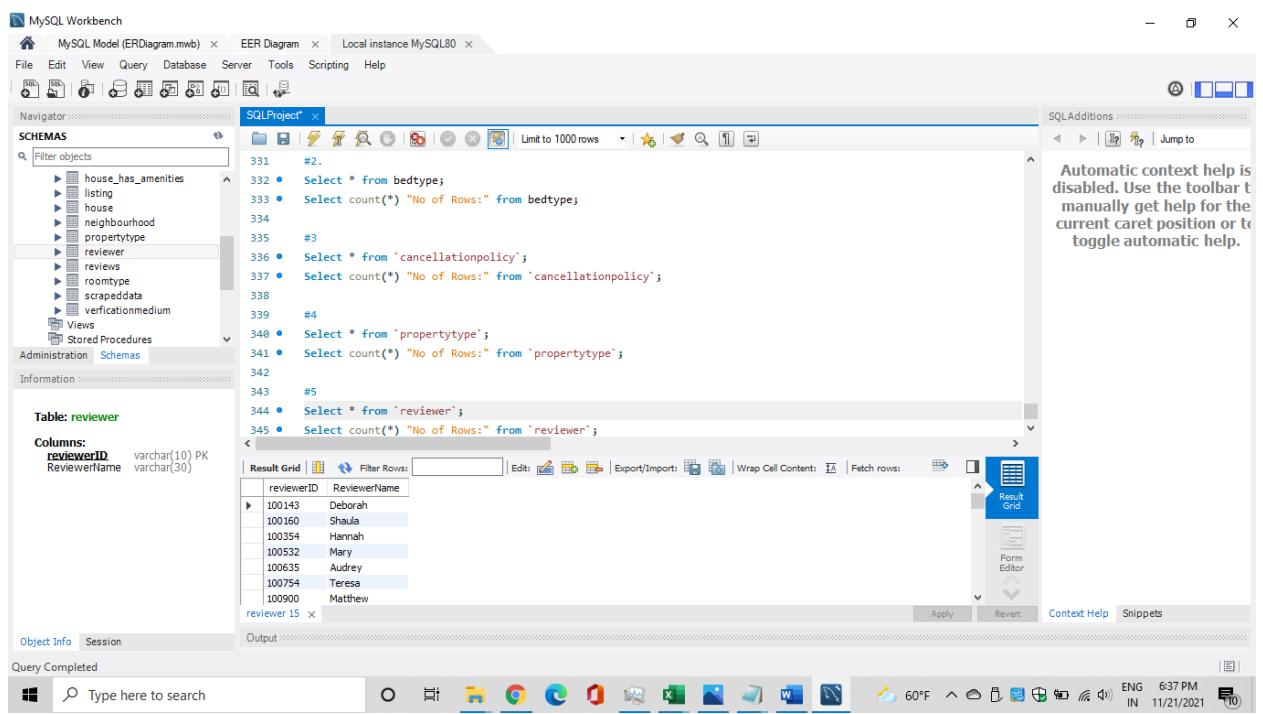
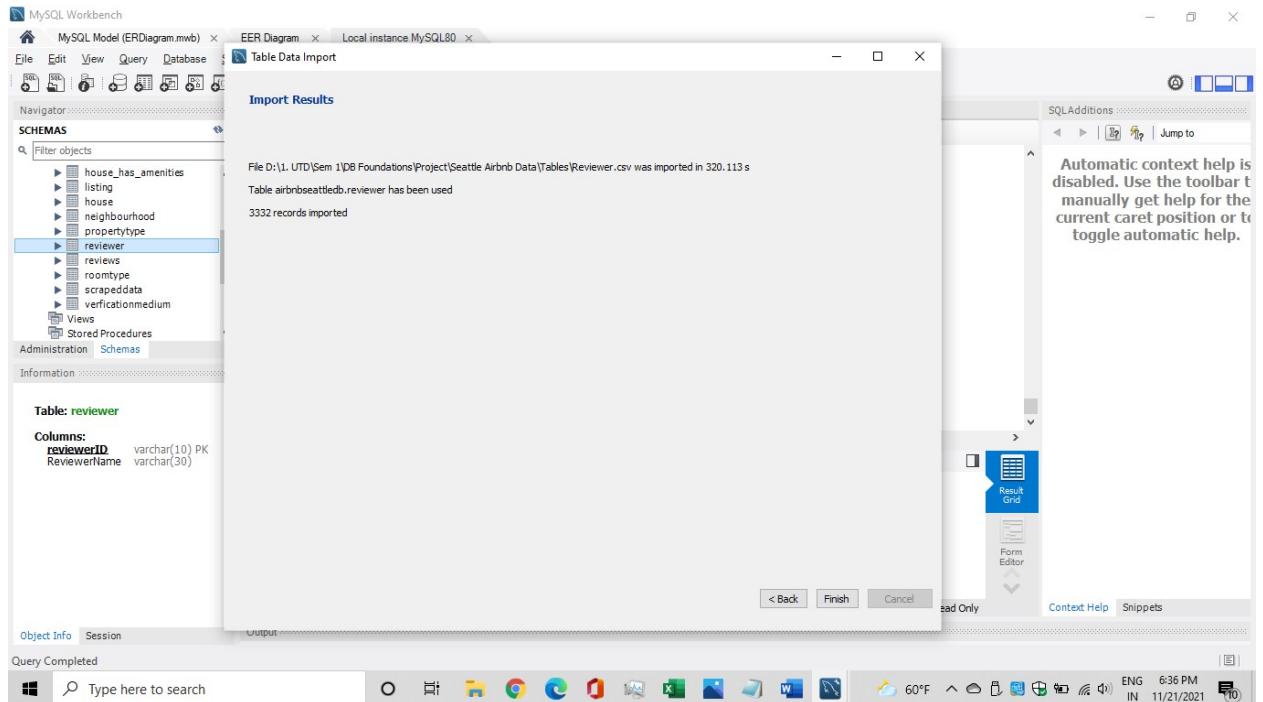
Table

Reviewers

reviewerID	ReviewerName
15	Kat
262	Jonathan
431	Matthew
1618	Elaine
1720	Ryan

Object Info

Query Completed



MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: SQLProject*

SCHEMAS

Table: reviewer

Columns:

reviewerID	varchar(10) PK
ReviewerName	varchar(30)

Result Grid | Filter Rows: Export: Wrap Cell Content: Read Only Context Help Snippets

Output: Result 16

Object Info Session

Query Completed

Type here to search

System tray: 60°F ENG 6:37 PM IN 11/21/2021

```

332 • Select * from bedtype;
333 • Select count(*) "No of Rows:" from bedtype;
334
335 #3
336 • Select * from `cancellationpolicy`;
337 • Select count(*) "No of Rows:" from `cancellationpolicy`;
338
339 #4
340 • Select * from `propertytype`;
341 • Select count(*) "No of Rows:" from `propertytype`;
342
343 #5
344 • Select * from `reviewer`;
345 • Select count(*) "No of Rows:" from `reviewer`;

```

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

7. ScrappedDate

MySQL Workbench

File Table Data Import

Configure Import Settings

Detected file format: csv

Encoding: utf-8

Columns:

<input checked="" type="checkbox"/> Source Column	Dest Column
<input checked="" type="checkbox"/> iScrape_id	Scrape_ID
<input checked="" type="checkbox"/> last_scraped	last_scrape

Result Grid | Filter Rows: Export: Wrap Cell Content: Read Only Context Help Snippets

Output: Result 16

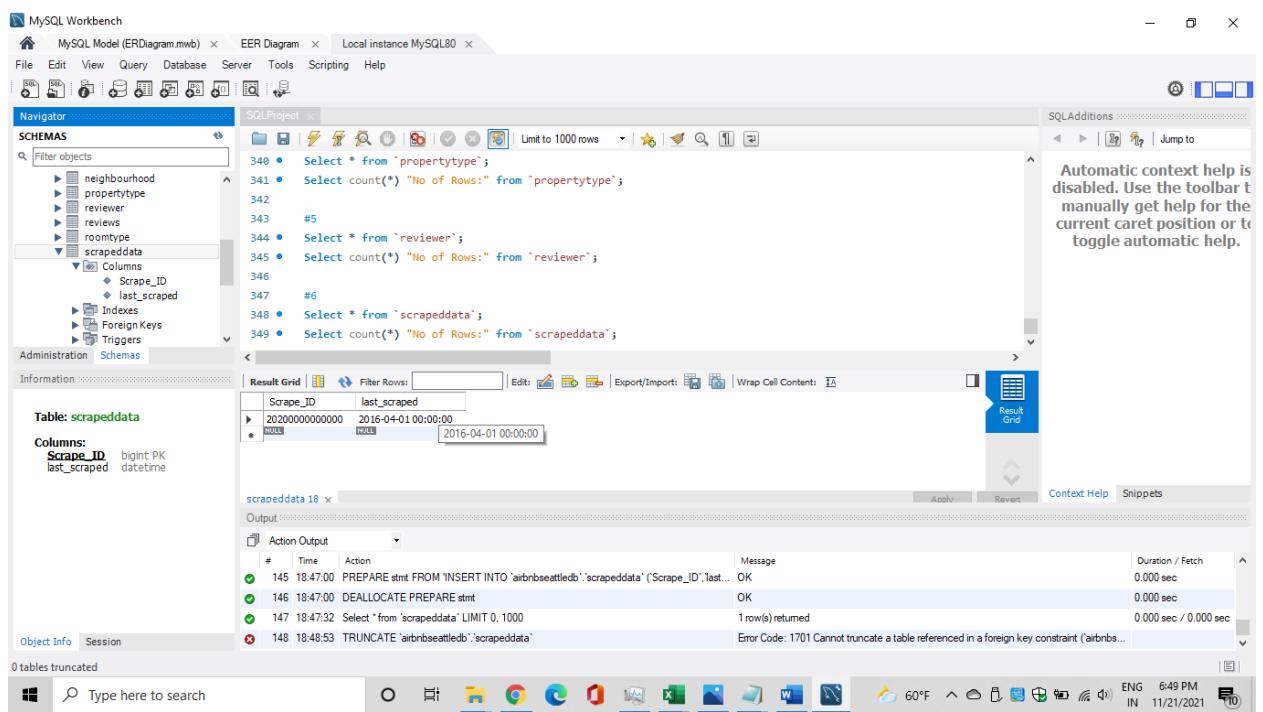
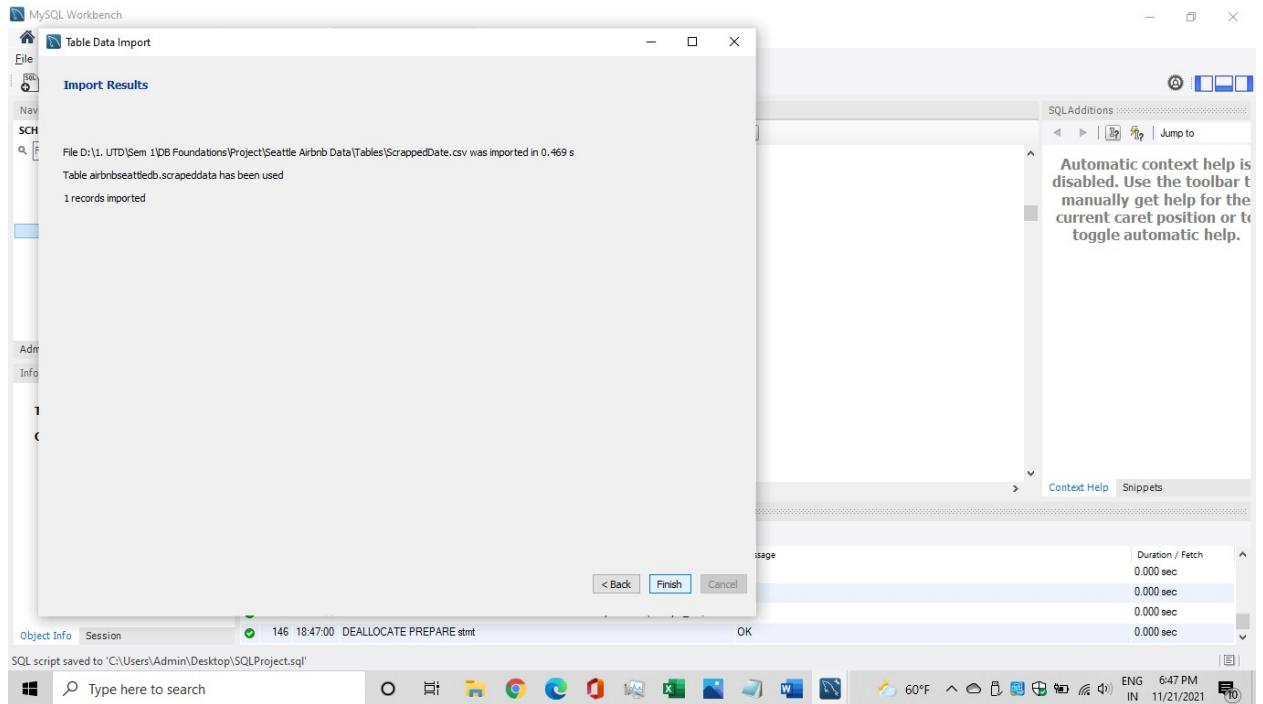
Object Info Session

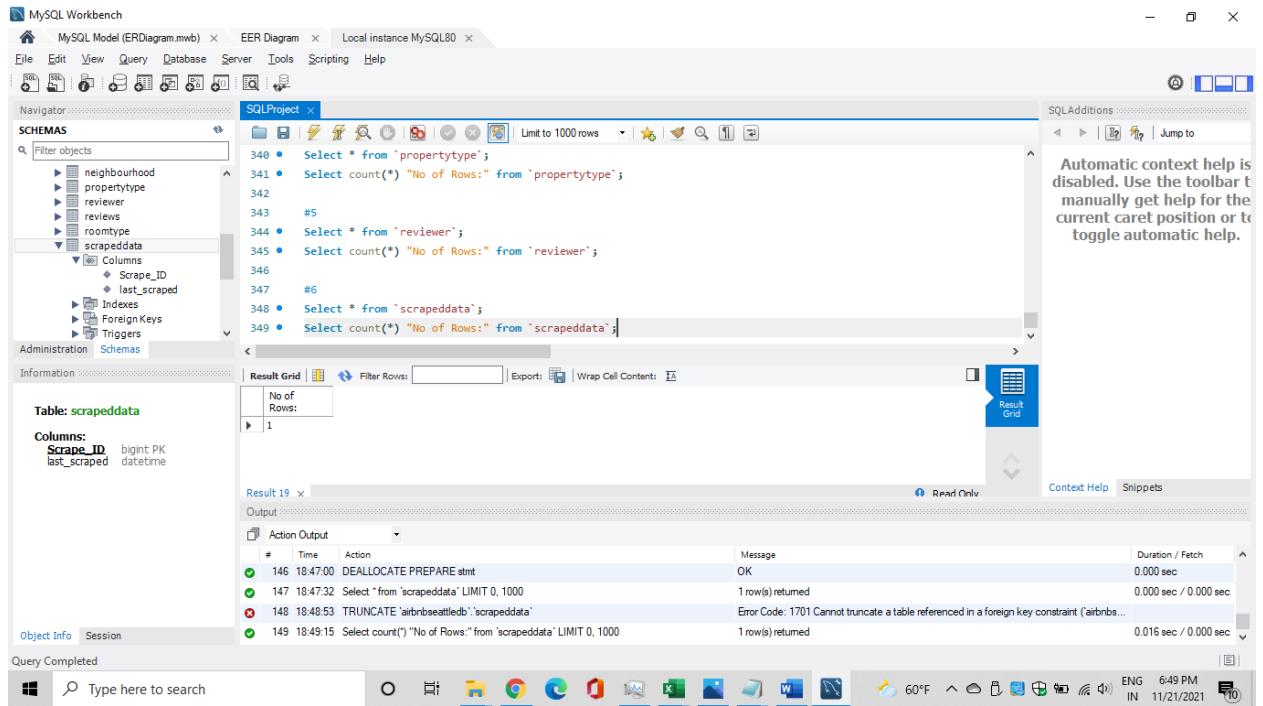
144 18:46:44 DEALLOCATE PREPARE stmt OK

Type here to search

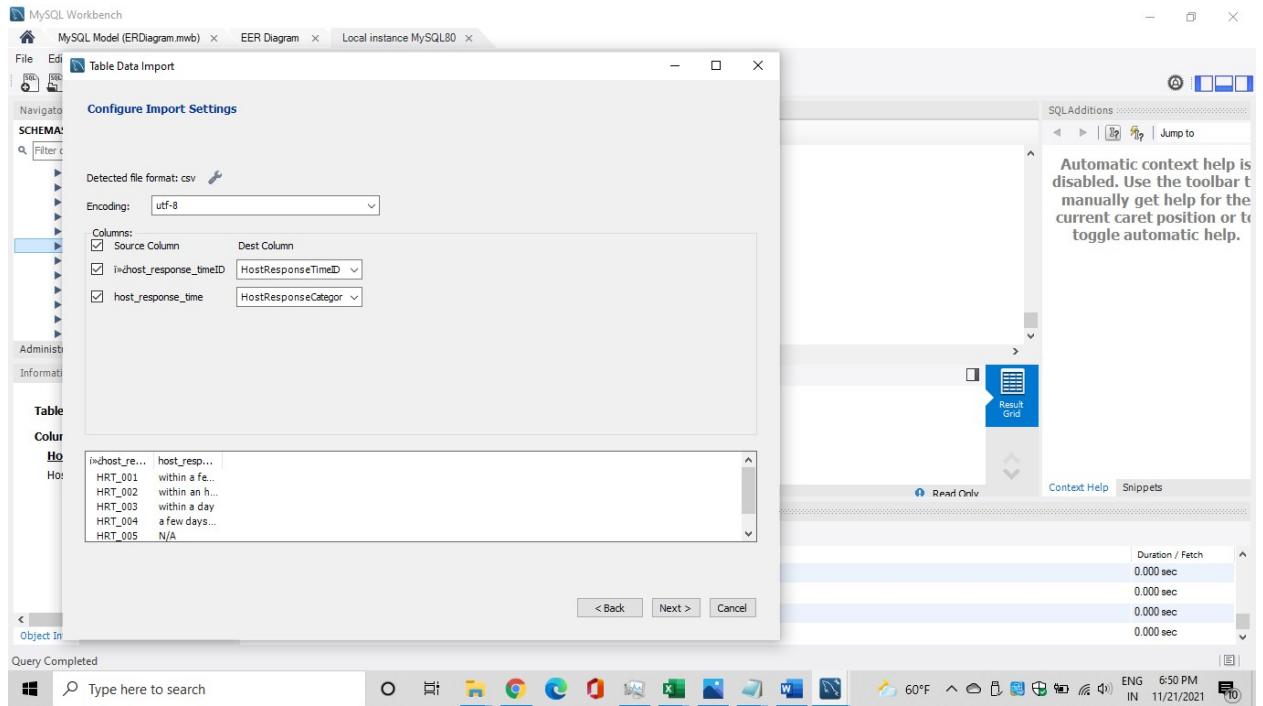
System tray: 60°F ENG 6:46 PM IN 11/21/2021

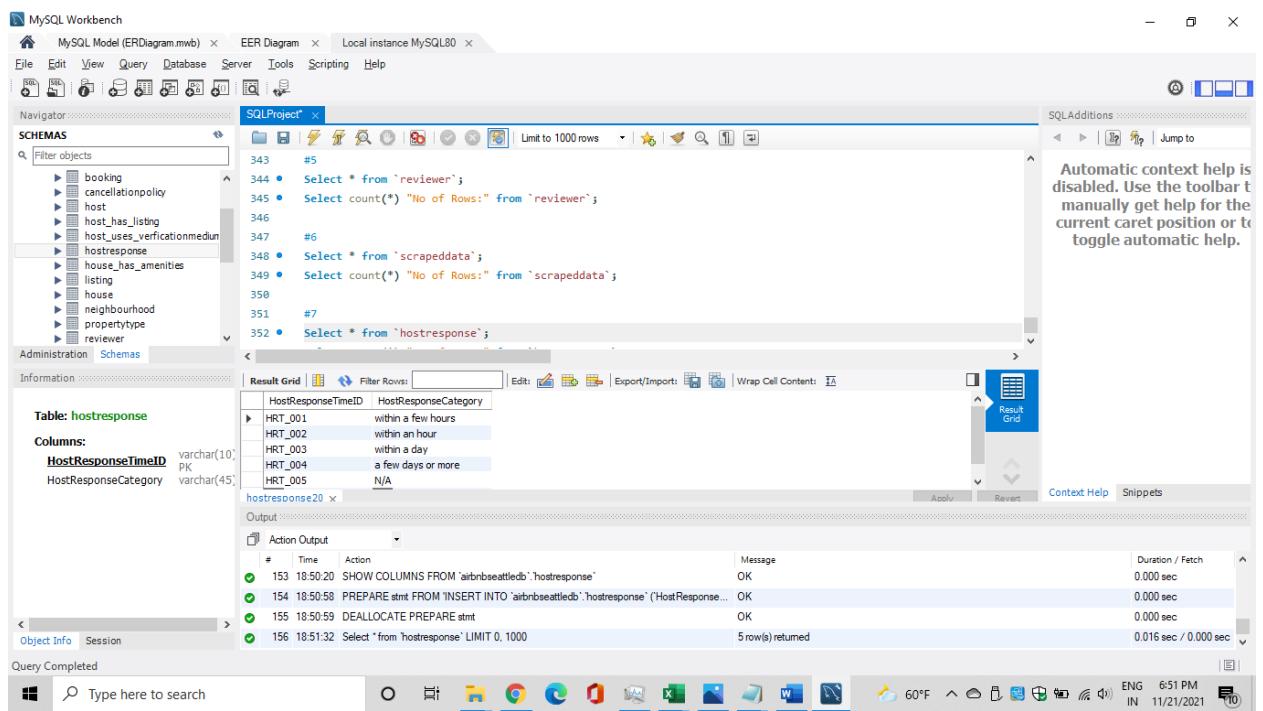
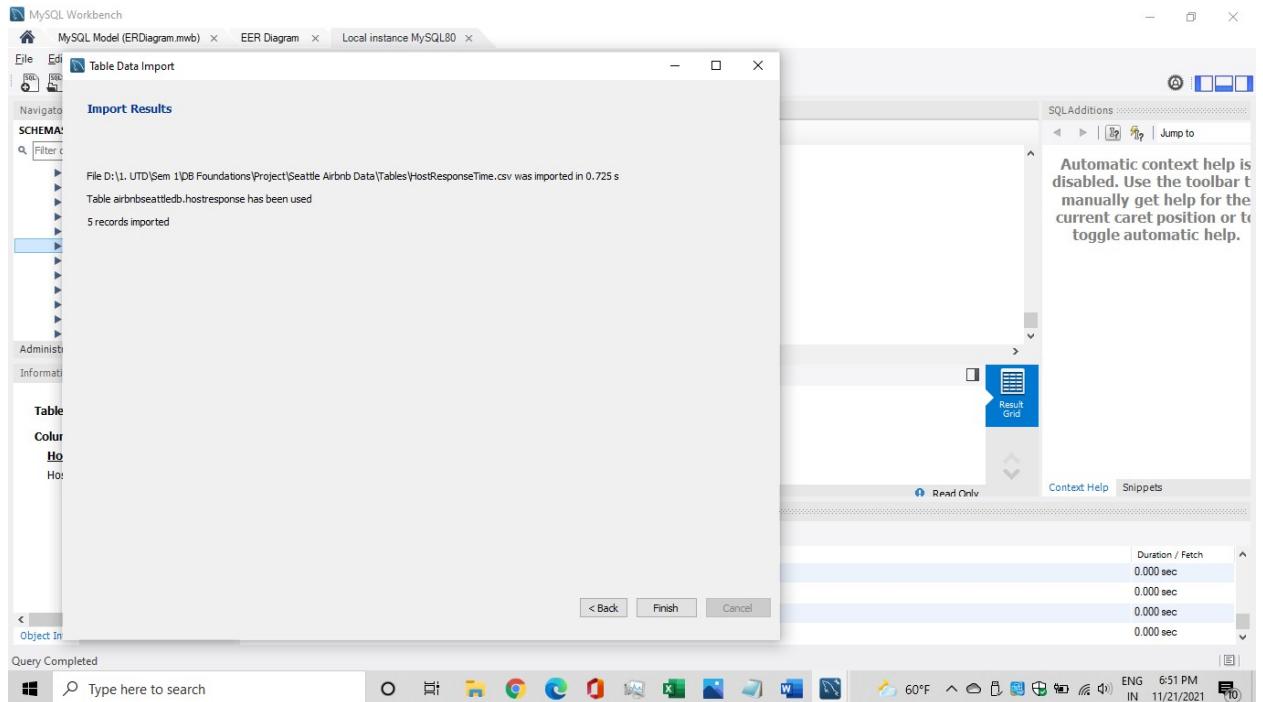
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

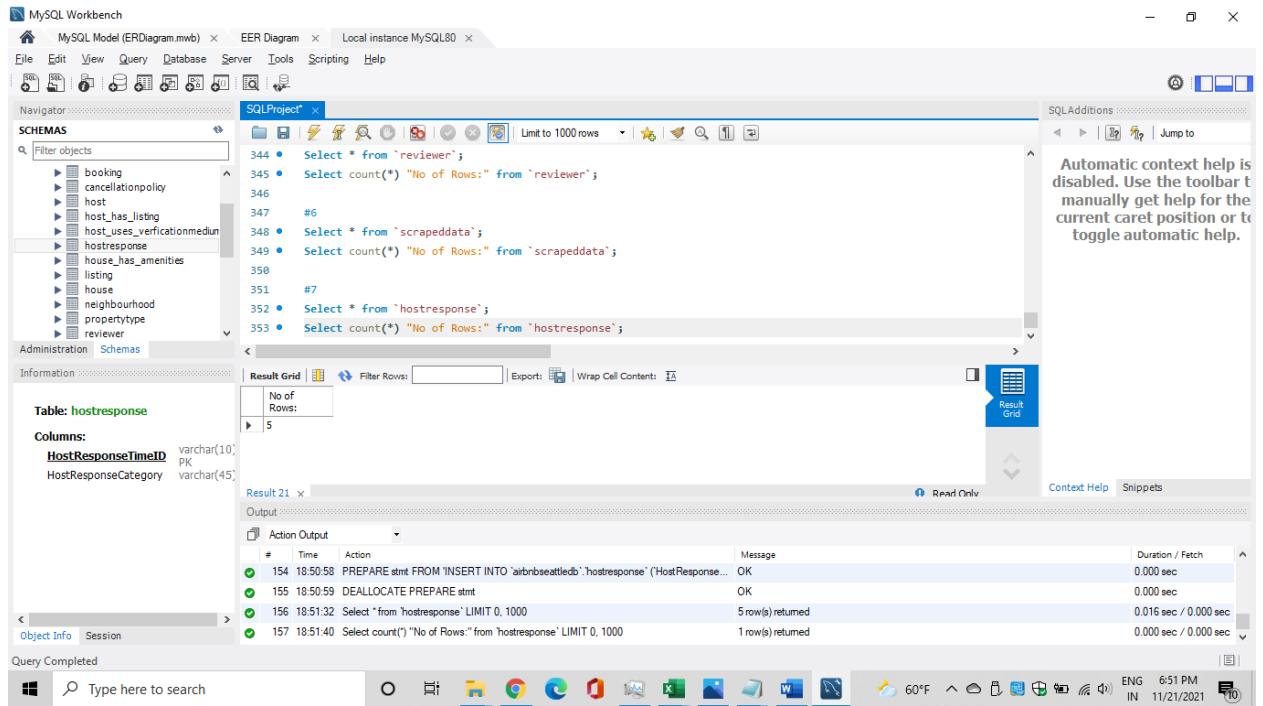




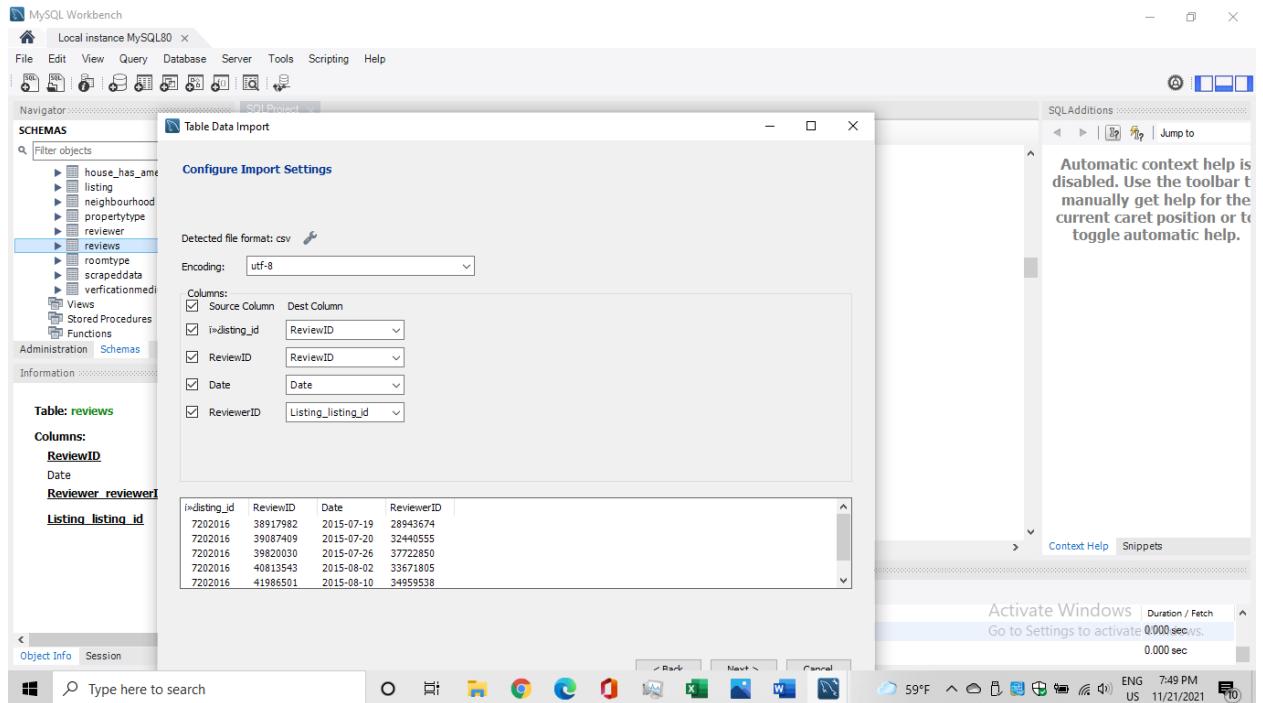
7. hostresponse







8. Reviews



9. Listing

MySQL Workbench - Local instance MySQL80

Import Results

File D:\1. UTD\Sem 1\DB Foundations\Project\Seattle Airbnb Data\Tables\Listing.csv was imported in 1008.434 s
Table airbnbseattledb.listing has been used
778 records imported

Table: listing

Columns:

- listing_id
- street
- neighboorhood
- negh
- City
- State
- Zipcode
- smartLo
- Lattitud
- Longitud
- is_local
- Country

Object Info

Activate Windows Duration / Fetch Go to Settings to activate Windows. 0.000 sec / 0.000 sec

MySQL Workbench - Local instance MySQL80

SQL Project*

File Edit View Query Database Server Tools Scripting Help

Table: listing

Columns:

- listing_id
- listingName
- listingUrl
- requires_license
- instant_bookable
- experiences_offered
- thumbnaill_url
- mediumurl
- picture_url
- xl_picture_url
- jurisdiction_names

Result Grid

listing_id	listingName	listingUrl	requires_license	instant_bookable	experiences_offer
10026648	1 BedBath - South Lake Union View	https://www.airbnb.com/rooms/10026648	f	f	none
10035644	Cozy Capitol Hill 1BD Apartment	https://www.airbnb.com/rooms/10035644	f	f	none
10036903	Downtown Seattle Apt 93 walk score!	https://www.airbnb.com/rooms/10036903	f	f	none
10106055	Cozy Lower Level, Upper Queen Anne	https://www.airbnb.com/rooms/10106055	f	f	none
10123910	180° Lake & Mtn View Home!	https://www.airbnb.com/rooms/10123910	f	f	none
10124808	Attic suite with private bathroom	https://www.airbnb.com/rooms/10124808	f	f	none
10204689	Madrona, 1 bedroom apt	https://www.airbnb.com/rooms/10204689	f	f	none

Activate Windows Duration / Fetch Go to Settings to activate Windows. 0.031 sec / 0.000 sec

MySQL Workbench

Local instance MySQL800

File Edit View Query Database Server Tools Scripting Help

Navigator: SQLProject*

SCHEMAS

Filter objects

```

345 • Select * from `hostresponse`;
346 • Select count(*) "No of Rows:" from `hostresponse`;
347
348 #8
349 • Select * from `roomtype`;
350 • Select count(*) "No of Rows:" from `roomtype`;
351
352 #9
353 • Select * from `listing`;
354 • Select count(*) "No of Rows:" from `listing`;

```

Administration Schemas

Information

Table: listing

Columns:

listing_id	varchar(20)	PK
ListingName	varchar(50)	
listingUrl	longtext	
requires_license	char(2)	
instant_bookable	char(2)	
experiences_offered	varchar(10)	
thumbnail_url	longtext	
medium_url	longtext	
picture_url	longtext	
xl_picture_url	longtext	
jurisdiction_names	varchar(45)	

Object Info Session

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Result Grid | Form Editor

No of Rows: 778

Result 15 x

Action Output

#	Time	Action	Message
47	20:30:38	Select * from `listing` LIMIT 0, 1000	778 row(s) returned
48	20:30:48	Select count(*) "No of Rows:" from `listing` LIMIT 0, 1000	1 row(s) returned

Activate Windows Duration / Fetch Go to Settings to activate 0.000 sec / 0.031 sec 0.031 sec / 0.000 sec

Read Only Context Help Snippets

Type here to search

Windows Taskbar: 58°F, ENG 8:30 PM US 11/21/2021

10. House

MySQL Workbench (Not Responding)

Local instance MySQL800

File Edit View Query Database Server Tools Scripting Help

Navigator: SQLProject*

SCHEMAS

Filter objects

```

346 • Select count(*) "No of Rows:" from `hostresponse`;
347
348 #8
349 • Select * from `roomtype`;
350 • Select count(*) "No of Rows:" from `roomtype`;
351
352 #9
353 • Select * from `listing`;
354 • Select count(*) "No of Rows:" from `listing`;
355
356 #10
357 • Select * from `house`;
358 • Select count(*) "No of Rows:" from `house`;

```

Administration Schemas

Information

Table: booking

Columns:

Listing_listing_id	varchar(20)	
BookingDate	datetime	
available	char(1)	
price	varchar(45)	

Object Info Session

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: | Result Grid | Form Editor | Field Types

Listing_listing_id	Street	neighbourhood	neighbourhood_cleaned	neighbourhood_group_cleaned
10036903	Queen Anne Avenue North, Seattle, WA 98109...	Lower Queen Anne	East Queen Anne	Queen Anne
10106055	West Galer Street, Seattle, WA 98119, United ...	Queen Anne	West Queen Anne	Queen Anne
10210971	Northwest 58th Street, Seattle, WA 98107, Uni...		Adams	Ballard
10229434	6th Avenue North, Seattle, WA 98109, United ...		East Queen Anne	Queen Anne
10231701	Northwest 57th Street, Seattle, WA 98107, Uni...	Ballard	Adams	Ballard
10234588	NW 57th St, Seattle, WA 98107, United States		Adams	Ballard
10262971	Northwest 51st Street, Seattle, WA 98107, Uni...	Ballard	West Woodland	Ballard
10310373	14th Avenue West, Seattle, WA 98119, United ...	Queen Anne	West Queen Anne	Queen Anne
1110749	5th Avenue West, Seattle, WA 98119, United Sta...	Queen Anne	West Queen Anne	Queen Anne

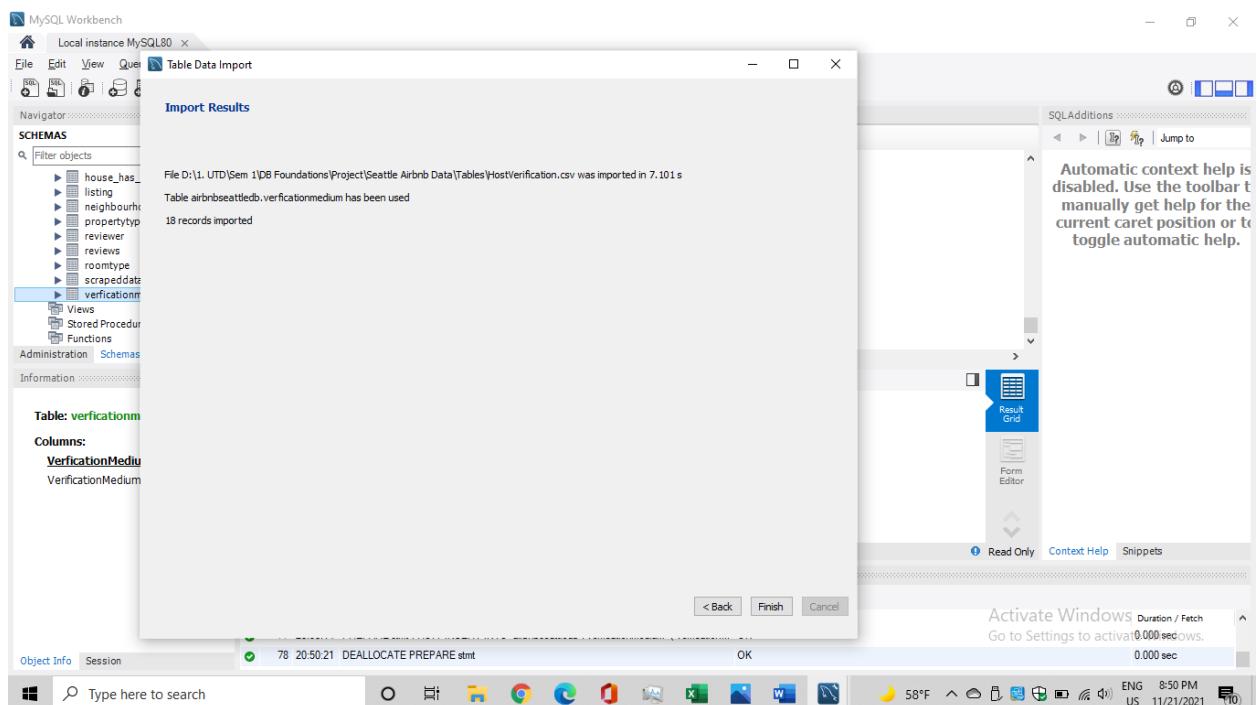
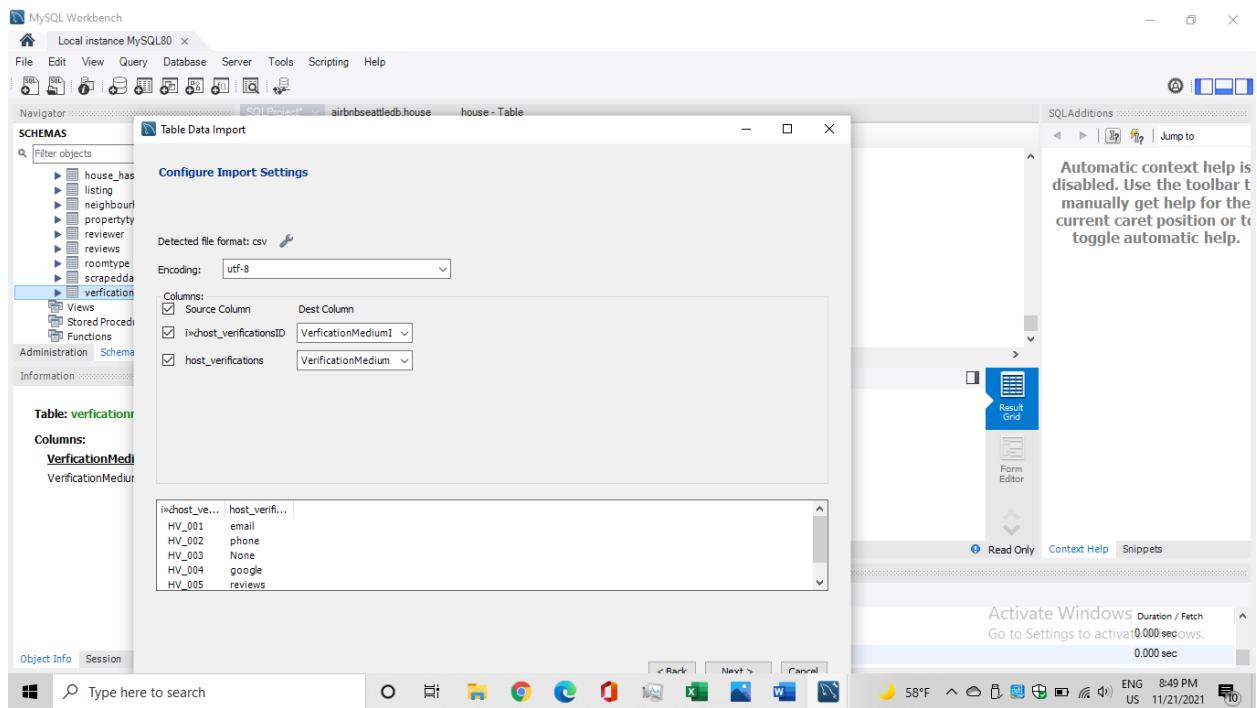
house 29 x

Activate Windows Context Help Snippets

Type here to search

Windows Taskbar: 57°F, ENG 10:03 PM US 11/21/2021

11. VerificationMedium



MySQL Workbench

Local instance MySQL80 Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator SQLProject airbnbseattledb.house house - Table

SCHEMAS Filter objects

- cancellationpolicy
- host
- host_has_listing
- host_use_verificationmedium
- hostresponse
- house
- house_amenities
- listing
- neighbourhood
- propertytype
- reviewer
- reviews

SQLAdditions Jump to

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

```

352 • #9
353 • Select * from `listing`;
354 • Select count(*) "No of Rows:" from `listing`;
355
356 • #10
357 • Select * from `house`;
358 • Select count(*) "No of Rows:" from `house`;
359
360 • #11
361 • Select * from `verificationmedium`;
362 • Select count(*) "No of Rows:" from `verificationmedium`;

```

Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content: Result Grid

Table: host_use_verificationmedium

Columns:

- Host_HostID
- VerificationMedium_VerificationMe

VerificationMediumID	VerificationMedium
HV_001	email
HV_002	phone
HV_003	None
HV_005	reviews
HV_006	reviews
HV_007	jumbo
HV_008	kba
HV_009	linkedin
HV_010	manually verified

verificationsmedium 23

Output

Action Output

#	Time	Action	Message
84	20:52:57	Select count(*) "No of Rows:" from `verificationmedium` LIMIT 0, 1000	1 row(s) returned
85	20:53:04	Select * from `verificationmedium` LIMIT 0, 1000	18 row(s) returned

Activate Windows Duration / Fetch Go to Settings to activate 0.000 sec / 0.000 sec 0.000 sec / 0.000 sec

Type here to search

MySQL Workbench

Local instance MySQL80 Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator SQLProject airbnbseattledb.house house - Table

SCHEMAS Filter objects

- cancellationpolicy
- host
- host_has_listing
- host_use_verificationmedium
- hostresponse
- house
- house_amenities
- listing
- neighbourhood
- propertytype
- reviewer
- reviews

SQLAdditions Jump to

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

```

353 • Select * from `listing`;
354 • Select count(*) "No of Rows:" from `listing`;
355
356 • #10
357 • Select * from `house`;
358 • Select count(*) "No of Rows:" from `house`;
359
360 • #11
361 • Select * from `verificationmedium`;
362 • Select count(*) "No of Rows:" from `verificationmedium`;

```

Result Grid Filter Rows: Export: Wrap Cell Content: Result Grid

Table: host_use_verificationmedium

Columns:

- Host_HostID
- VerificationMedium_VerificationMe

No of Rows:
18

Result 24

Output

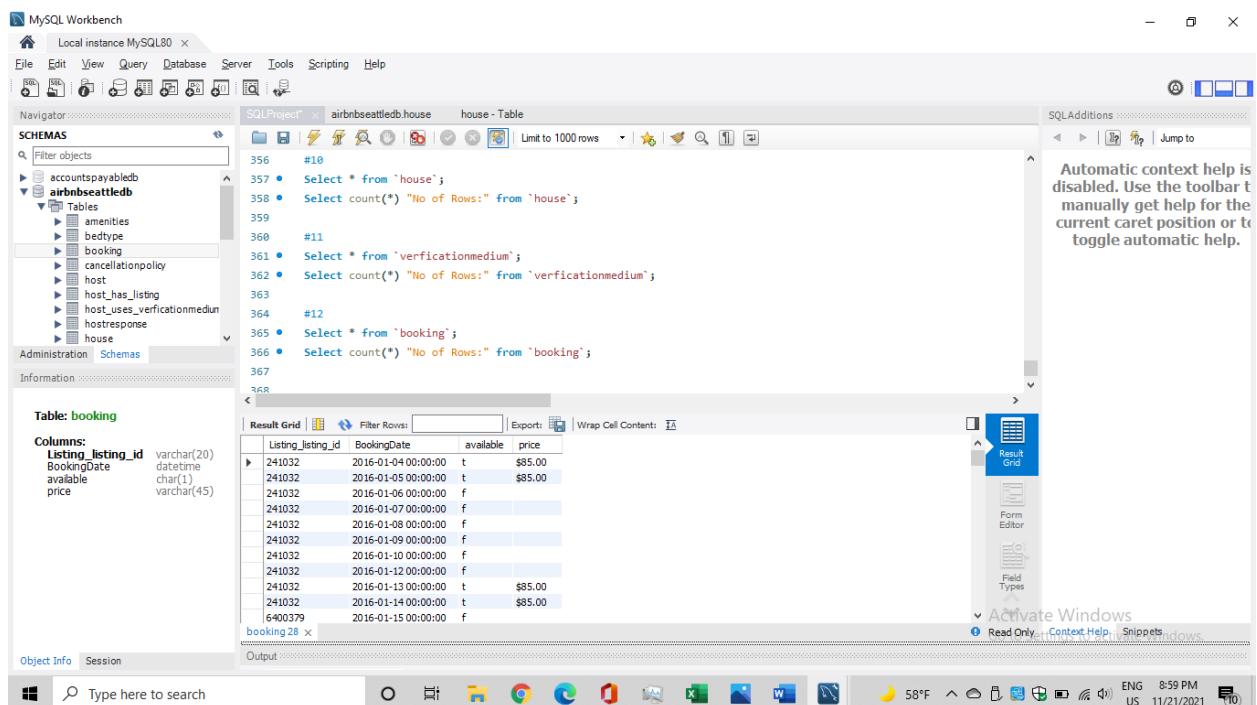
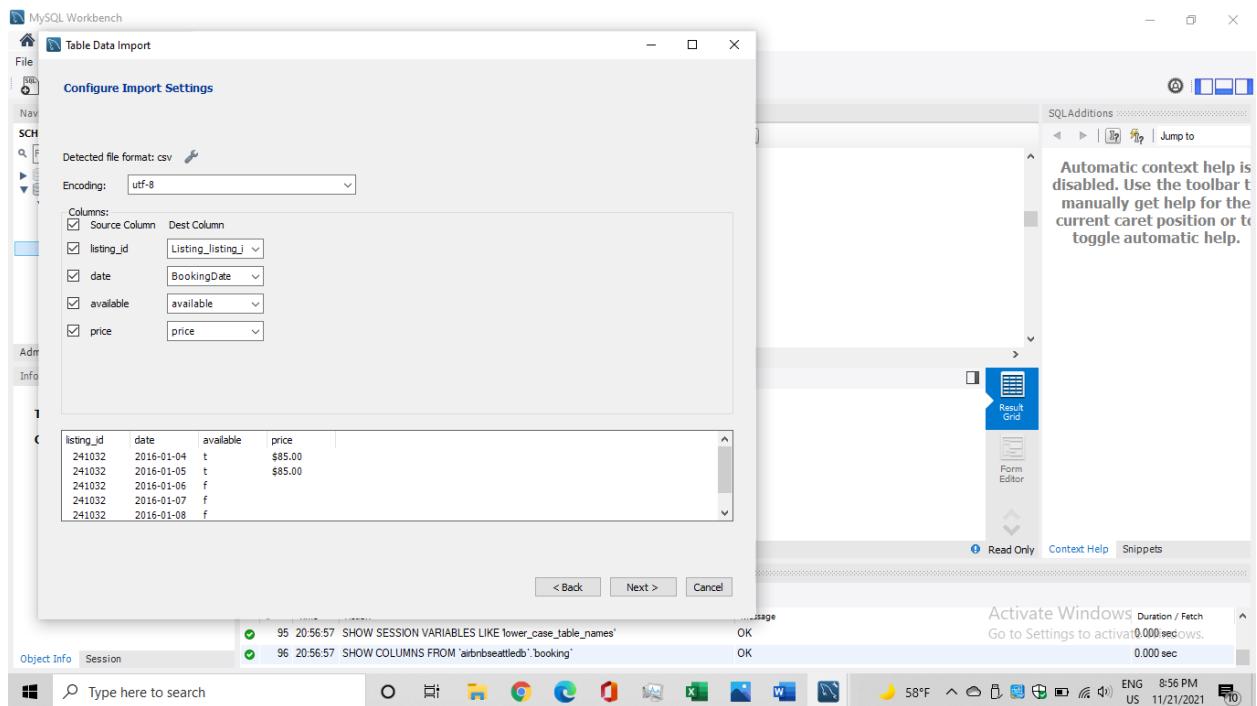
Action Output

#	Time	Action	Message
85	20:53:04	Select * from `verificationmedium` LIMIT 0, 1000	18 row(s) returned
86	20:53:20	Select count(*) "No of Rows:" from `verificationmedium` LIMIT 0, 1000	1 row(s) returned

Activate Windows Duration / Fetch Go to Settings to activate 0.000 sec / 0.000 sec 0.000 sec / 0.000 sec

Type here to search

12. Booking



13. Host

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Table Data Import

Configure Import Settings

Detected file format: csv

Encoding: utf-8

Columns:

Source Column	Dest Column
ihost_id	HostID
host_url	HostUrl
host_name	HostName
host_since	HostSince
host_location	HostLocation
host_response_timeID	HostResponseTimeID

Table: host

Columns:

HostID	HostUrl	HostName	HostSince	HostLocation	HostResponseTimeID	HostAcceptanceRate	HostIsSuperHost	HostThumbnailURL	
956883	https://www...	Maija	2011-08-11	Seattle, Wa...	HRT_001	96	100	f	https://...
5177328	https://www...	Andrea	2013-02-21	Seattle, Wa...	HRT_002	98	100	t	https://...
16708587	https://www...	Jill	2014-06-12	Seattle, Wa...	HRT_001	67	100	f	https://...
9851441	https://www...	Emily	2013-11-06	Seattle, Wa...	HRT_005	N/A	N/A	f	https://...

Object Info

SQL script saved.

Type here to search

Result Grid

Form Editor

Field Types

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

SQLProject*

Tables

amenities	bedtype	booking	cancellationpolicy	host	host_has_listing	host_uses_verificationmedium	hostresponse	house	house_has_amenities

Administration Schemas

Table: host

Columns:

HostID	HostUrl	HostName	HostSince	HostLocation	HostResponseRate	HostAcceptanceRate	HostThumbnailURL
241032	2016-01-04 00:00:00	t	\$85.00				
241032	2016-01-05 00:00:00	t	\$85.00				
241032	2016-01-06 00:00:00	f					
241032	2016-01-07 00:00:00	f					
241032	2016-01-08 00:00:00	f					
241032	2016-01-09 00:00:00	f					
241032	2016-01-10 00:00:00	f					
241032	2016-01-12 00:00:00	f					
241032	2016-01-13 00:00:00	t	\$85.00				
241032	2016-01-14 00:00:00	t	\$85.00				

booking 34

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Fetch rows:

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Type here to search

Output:

Query Completed

