Installation

In order to utilize this program, you will have to run the following command in the python terminal to install the **mysql.connector** and **tkinter** modules. You can install both using the following syntax:

pip install mysql.connector

After the mysql.connector module is implemented, the user must edit the following fields: **curr_user**, **curr_pass**, **curr_host**, and **curr_database**, which correspond to the mysql.connector.connect's user, password, host, and database respectively. If this is done correctly, the program will display "Connection established" in the Python terminal.

Database Setup

Contained within the files you have received is a file called "DoorDash_Relations.sql". This is run to create the DoorDash database and all of the relations within the database. In addition, there is a zip file called "Table Records". Utilizing the Import Wizard in MySQL or another database editor, you can insert each of the 25 given records into its respective table within the database.

Usage

Once the program is started, the user is presented with a menu with which they can select a table to work with. After selecting the appropriate table, they are given a list of CRUD commands and Queries that are allowed to be run on that table. After selecting the desired result, the user should be able to do the command that they chose or get a result that displays the answers to that query or question.

Error Handling

Each of the menus has its own separate error handling to deal with any options that the user may try that are not valid. It even handles non-integer inputs separately than any other type of input. In addition, all of the create methods are within those try-except blocks, so if their input is not valid (as casted based on the type of attribute), the user will be notified and brought back to the correct respective menu.

Changes Since Last Deliverable

We added a print function that better displays the results of each of the queries. We also edited several of the tables (payment, order, restaurants, customers, etc.) to have additional OLAPS and queries that are specific to those relations.

Contribution

This program was created in equal parts by Gavin Alvarez, Jiya Rathi, and Lena Braunschweig utilizing Python in Visual Studio Code and SQL in MySQL.

Individual Contribution			
CWID	**Name**	**Contribution (description)**	**Percent Contribution**
A20532556	**Jiya Rathi**	**Additional Queries, OLAPS, and User Interface**	**33.3%**
A20508508	**Gavin Alvarez**	**Individual Menus, Overall Structure, and Video**	**33.3%**
A20528602	**Lena Braunschweig**	**Additional Queries, OLAPs, and print methods**	**33.3%**