VirtuChef: Your Cloud KitchenExperience

Milestone: Application (Python or R)

Group 3

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recentage of Emort Contributed by Student 1:50				
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Submission Date:04/07/2024				

```
1 import mysql.connector
In [1]:
In [2]:
            connection = mysql.connector.connect(
                    host='localhost',
          2
          3
                    database='sys',
          4
                    user='root',
                    password=' '
                      auth_plugin='mysql_native_password'
          6
In [3]:
            if connection.is_connected():
                    db_Info = connection.get_server_info()
                    print(f"Connected to MySQL Server version {db_Info}")
          3
          4
                    # Create a cursor object to execute SQL queries
                    cursor = connection.cursor()
        Connected to MySQL Server version 8.3.0
In [5]:
          1 connection
Out[5]: <mysql.connector.connection_cext.CMySQLConnection at 0x10647aa50>
          1 import pandas as pd
In [6]:
```

- 1 df = pd.read_sql_query("SELECT * FROM Chef", connection)
- 2 df.head(10)

/var/folders/xp/6gfc4kz52316spkystt_4mw00000gn/T/ipykernel_79561/843454546.py:1: UserWarning: pandas only s upports SQLAlchemy connectable (engine/connection) or database string URI or sqlite3 DBAPI2 connection. Oth er DBAPI2 objects are not tested. Please consider using SQLAlchemy.

df = pd.read_sql_query("SELECT * FROM Chef", connection)

Out[7]:

	E_ID	Specialization	Signature_Dishes
0	1	French Cuisine	Coq au vin, Bouillabaisse
1	2	Italian Cuisine	Lasagna, Pizza Napoletana
2	3	Indian Cuisine	Butter Chicken, Biryani
3	4	Japanese Cuisine	Sushi, Ramen
4	5	Mexican Cuisine	Tacos, Mole Poblano
5	6	Thai Cuisine	Pad Thai, Tom Yum Soup
6	7	Mediterranean Cuisine	Moussaka, Paella
7	8	Korean Cuisine	Bibimbap, Kimchi Jjigae
8	9	Cajun Cuisine	Jambalaya, Gumbo
9	10	Vegan Cuisine	Lentil Shepherd's Pie, Rainbow Veggie Wraps

In [8]:

- 1 import pandas as pd
- 2 **import** seaborn **as** sns
- 3 import matplotlib.pyplot as plt

In [9]:

1 df1 = pd.read_sql_query("SELECT * FROM Delivery_Personnel", connection)

2 df1.head(10)

/var/folders/xp/6gfc4kz52316spkystt_4mw00000gn/T/ipykernel_79561/50093908.py:1: UserWarning: pandas only su pports SQLAlchemy connectable (engine/connection) or database string URI or sqlite3 DBAPI2 connection. Othe r DBAPI2 objects are not tested. Please consider using SQLAlchemy.

df1 = pd.read sql guery("SELECT * FROM Delivery Personnel", connection)

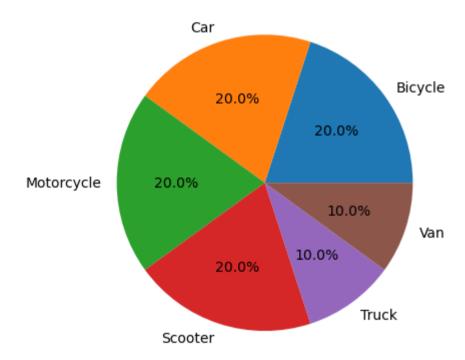
Out[9]:

_		E_ID	Orders_Completed	Vehicle_Type	Vehicle_Number
	0	101	25	Car	ABC-123
	1	102	42	Scooter	DEF-456
	2	103	18	Bicycle	GHI-789
	3	104	37	Motorcycle	JKL-012
	4	105	51	Van	MNO-345
	5	106	19	Car	PQR-678
	6	107	33	Scooter	STU-901
	7	108	21	Bicycle	VWX-234
	8	109	48	Motorcycle	YZZ-567
	9	110	62	Truck	AAA-111

In [10]:

1 #Visualizing the top 5 vehicles used by delivery personnels

Number of Deliveries by Vehicle Type



```
In [12]: | 1 # Visualize the count of ratings the restaurant chain has got
```

```
In [13]: 1 df4 = pd.read_sql_query("SELECT * FROM Feedback", connection)
2 df4.head(10)
```

/var/folders/xp/6gfc4kz52316spkystt_4mw00000gn/T/ipykernel_79561/3770727224.py:1: UserWarning: pandas only supports SQLAlchemy connectable (engine/connection) or database string URI or sqlite3 DBAPI2 connection. Ot her DBAPI2 objects are not tested. Please consider using SQLAlchemy.

df4 = pd.read_sql_query("SELECT * FROM Feedback", connection)

Out[13]:

	F_ID	C_ID	O_ID	Rating	Comments
0	10a	191	91	5	Exquisite flavors!
1	10b	192	92	4	Prompt service.
2	10c	193	93	3	Satisfactory cleanliness.
3	10d	194	94	5	Wonderful ambiance!
4	10e	195	95	2	Unsatisfactory wait time.
5	10f	196	96	4	Beautiful decor.
6	10g	197	97	3	Reasonable prices.
7	10h	198	98	5	Delicious dishes!
8	10i	199	99	4	Friendly service.
9	1a	101	1	5	Excellent service!

Total Count of Ratings for the Restaurant (Lowest to Highest)

