

# Classes & Objects

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In [1]: 1 import pandas as pd

In [2]: 1 class Restaurants:
2     def __init__(self, restaurant_id, restaurant_name, restaurant_address, restaurant_type):
3         self.restaurant_id = restaurant_id
4         self.restaurant_name = restaurant_name
5         self.restaurant_address = restaurant_address
6         self.restaurant_type = restaurant_type
7
8     class Menu:
9         def __init__(self, m_id, restaurant_id, item_name, price):
10             self.m_id = m_id
11             self.restaurant_id = restaurant_id
12             self.item_name = item_name
13             self.price = price
14
15     class Customers:
16         def __init__(self, cus_id, name, email, password):
17             self.cus_id = cus_id
18             self.name = name
19             self.email = email
20             self.password = password
21
22     class Address:
23         def __init__(self, address_id, cus_id, area, city, pincode):
24             self.address_id = address_id
25             self.cus_id = cus_id
26             self.area = area
27             self.city = city
28             self.pincode = pincode
29
30     class Drivers:
31         def __init__(self, driver_id, name, mobile_no, address):
```

```
30 class Drivers:
31     def __init__(self, driver_id, name, mobile_no, address):
32         self.driver_id = driver_id
33         self.name = name
34         self.mobile_no = mobile_no
35         self.address = address
36
37 class Orders:
38     def __init__(self, order_id, restaurant_id, cus_id, driver_id, m_id, date, address):
39         self.order_id = order_id
40         self.restaurant_id = restaurant_id
41         self.cus_id = cus_id
42         self.driver_id = driver_id
43         self.m_id = m_id
44         self.date = date
45         self.address = address
46
47 class Payment:
48     def __init__(self, payment_id, order_id, payment_mode, amount):
49         self.payment_id = payment_id
50         self.order_id = order_id
51         self.payment_mode = payment_mode
52         self.amount = amount
53
54 class Rating:
55     def __init__(self, rating_id, cus_id, restaurant_id, rating):
56         self.rating_id = rating_id
57         self.cus_id = cus_id
58         self.restaurant_id = restaurant_id
59         self.rating = rating
60
61
62
63
64 restaurants = [Restaurants(101, 'CityDeids', 'Kothrud', 'veg'), Restaurants(102, 'Diveed', 'Kot
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56     self.rating_id = rating_id
57     self.cus_id = cus_id
58     self.restaurant_id = restaurant_id
59     self.rating = rating
60
61
62
63
64     restaurants = [Restaurants(101, 'CityPride', 'Kothrud', 'Veg'), Restaurants(102, 'Divine', 'KoregaonPark', 'Non-Veg'),
65                     Restaurants(103, 'Marriott', 'SBRoad', 'Non-Veg',), Restaurants(104, 'Regency Hotel', 'Baner', 'Veg' ),
66                     Restaurants(105, 'Mandarin Oriental', 'Karvenagar', 'Veg')]
67
68     menu = [Menu(901, 101, 'Rice,Noodles', 50), Menu(902, 101, 'Paneer,Roti', 80),
69             Menu(903, 101, 'Veggie,Roti', 50), Menu(904, 101, 'VegBiryani', 80),
70             Menu(905, 101, 'PaneerTikka', 90)]
71
72
73     addresses = [Address(501, 1, 'Katraj', 'Pune', 411048),
74                  Address(502, 2, 'Kondhwa', 'Pune', 411012),
75                  Address(503, 3, 'Kothrud', 'Pune', 411046),
76                  Address(504, 4, 'Karvenagar', 'Pune', 421048),
77                  Address(505, 5, 'Swargate', 'Pune', 413048)]
78
79     customers = [Customers(1, 'Aditya Gawade', 'adityagawade@gmail.com', 'Aditya@123'), Customers(2, 'Ashish Kondare', 'ashishkondare@gmail.com', 'Ashish@123'),
80                  Customers(3, 'Viraj Walanj', 'virajwalanj@gmail.com', 'Viraj@123'), Customers(4, 'Akash Chavan', 'akashchavan@gmail.com', 'Akash@123'),
81                  Customers(5, 'Sourabh Gawade', 'sourabhgawade@gmail.com', 'Sourabh@123')]
82
83
84     orders = [Orders(201,110,1,408,902,'2023-07-02','Wakad,pune'), Orders(202,104,2,412,915,'2023-07-04','Baner,Pune'),
85               Orders(203,108,3,403,920,'2023-07-03','Katraj,Pune'), Orders(204,115,4,411,922,'2023-07-04','Dhayari,Pune'),
86               Orders(205,109,17,401,909,'2023-07-04','Hadapsar,Pune')]
87
88
89

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In [3]: 1 orders = Orders(order_id = 201, restaurant_id = 110, cus_id = 1, driver_id = 408, m_id = 902, date = '2023-07-02', address =
2         print("order_id:", orders.order_id)
3         print("restaurant_id:", orders.restaurant_id)
4         print("cus_id:", orders.cus_id)
5         print("driver_id:", orders.driver_id)
6         print("m_id:", orders.m_id)
7         print("date:", orders.date)
8         print("address:", orders.address)
9
order_id: 201
restaurant_id: 110
cus_id: 1
driver_id: 408
m_id: 902
date: 2023-07-02
address: Wakad,pune

In [4]: 1 restaurants = Restaurants(103, 'Marriott', 'SBRoad', 'Non-Veg')
2         print("restaurant_id:", restaurants.restaurant_id)
3         print("restaurant_name:", restaurants.restaurant_name)
4         print("restaurant_address:", restaurants.restaurant_address)
5         print("restaurant_type:", restaurants.restaurant_type)
6
restaurant_id: 103
restaurant_name: Marriott
restaurant_address: SBRoad
restaurant_type: Non-Veg

In [5]: 1 menu = Menu(901, 101, 'Rice,Noodles', 50)
2         print("m_id:", menu.m_id)
3         print("restaurant_id:", menu.restaurant_id)

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In [5]: 1 menu = Menu(901, 101, 'Rice,Noodles', 50)
2 print("m_id:", menu.m_id)
3 print("restaurant_id:", menu.restaurant_id)
4 print("item_name:", menu.item_name)
5 print("price:", menu.price)
```

```
m_id: 901
restaurant_id: 101
item_name: Rice,Noodles
price: 50
```

```
In [6]: 1 addresses = Address(504, 4, 'Karvenagar', 'Pune', 421048)
2 print("address_id:", addresses.address_id)
3 print("cus_id:", addresses.cus_id)
4 print("area:", addresses.area)
5 print("city:", addresses.city)
```

```
address_id: 504
cus_id: 4
area: Karvenagar
city: Pune
```

```
In [7]: 1 customers = Customers(1, 'Aditya Gawade', 'adityagawade@gmail.com', 'Aditya@123')
2 print("cus_id:", customers.cus_id)
3 print("name:", customers.name)
4 print("email:", customers.email)
5 print("password:", customers.password)
```

```
cus_id: 1
name: Aditya Gawade
email: adityagawade@gmail.com
password: Aditya@123
```