





```
In [12]: 1 class Restaurant:
2         def __init__(self):
3             self.menu_items = {}
4             self.book_table = []
5             self.customer_orders = []
6
7         def add_item_to_menu(self, item, price):
8             self.menu_items[item] = price
9
10        def book_tables(self, table_number):
11            self.book_table.append(table_number)
12
13        def customer_order(self, table_number, order):
14            order_details = {'table_number': table_number, 'order': order}
15            self.customer_orders.append(order_details)
16
17        def print_menu_items(self):
18            for item, price in self.menu_items.items():
19                print("{}: {}".format(item, price))
20
21        def print_table_reservations(self):
22            for table in self.book_table:
23                print("Table {}".format(table))
24
25        def print_customer_orders(self):
26            for order in self.customer_orders:
27                print("Table {}: {}".format(order['table_number'], order['order']))
28
29 restaurant = Restaurant()
30
31 # Add items
32 restaurant.add_item_to_menu("Cheeseburger", 9.99)
33 restaurant.add_item_to_menu("Caesar Salad", 8)
34 restaurant.add_item_to_menu("Grilled Salmon", 19.99)
35 restaurant.add_item_to_menu("French Fries", 3.99)
36 restaurant.add_item_to_menu("Fish & Chips:", 15)
37 # Book table
38 restaurant.book_tables(1)
39 restaurant.book_tables(2)
40 restaurant.book_tables(3)
41 # Order items
42 restaurant.customer_order(1, "Cheeseburger")
43 restaurant.customer_order(1, "Grilled Salmon")
44 restaurant.customer_order(2, "Fish & Chips")
45 restaurant.customer_order(2, "Grilled Salmon")
46
47 print("\nPopular dishes in the restaurant along with their prices:")
48 restaurant.print_menu_items()
49 print("\nTable reserved in the Restaurant:")
50 restaurant.print_table_reservations()
51 print("\nPrint customer orders:")
52 restaurant.print_customer_orders()
```

53

Popular dishes in the restaurant along with their prices:

Cheeseburger: 9.99

Caesar Salad: 8

Grilled Salmon: 19.99

French Fries: 3.99

Fish & Chips:: 15

Table reserved in the Restaurant:

Table 1

Table 2

Table 3

Print customer orders:

Table 1: Cheeseburger

Table 1: Grilled Salmon

Table 2: Fish & Chips

Table 2: Grilled Salmon

In [ ]:

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In [ ]:

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