Task 1:
Write a Python class named Student with two attributes student_name, marks. Modify the attribute values of the said class and print the original and modified values of the said attributes.
Task 2:
Write a Python class Restaurant with attributes like menu_items, book_table, and customer_orders, and methods like add_item_to_menu, book_tables, and customer_order.
Perform the following tasks now:
▢ Now add items to the menu.
▢ Make table reservations.
▢ Take customer orders.
▢ Print the menu.
▢ Print table reservations.
▢ Print customer orders.
Note: Use dictionaries and lists to store the data

Task 1:

Write a Python class named Student with two attributes student_name, marks. Modify the attribute values of the said class and print the original and modified values of the said attributes.

In [2]:
```python
class Student:
    def __init__(self, student_name, marks):
        self.student_name = student_name
        self.marks = marks


student = Student("Ahmed", 85)


print("Original values:")
print("Student Name:", student.student_name)
print("Marks:", student.marks)


student.student_name = "Ghufran"
student.marks = 92


print("\nModified values:")
print("Student Name:", student.student_name)
print("Marks:", student.marks)
```

```
Original values:
Student Name: Ahmed
Marks: 85

Modified values:
Student Name: Ghufran
Marks: 92
```

Task 2:

Write a Python class Restaurant with attributes like menu_items, book_table, and
customer_orders, and methods like add_item_to_menu, book_tables, and customer_order.
Perform the following tasks now:
▢ Now add items to the menu.
▢ Make table reservations.
▢ Take customer orders.
▢ Print the menu.
▢ Print table reservations.
▢ Print customer orders.
Note: Use dictionaries and lists to store the data

In [4]:
```python
class Restaurant:
    def __init__(self):
        self.menu_items = []
        self.book_table = []
        self.customer_orders = []

    def add_item_to_menu(self, item):
        self.menu_items.append(item)

    def book_tables(self, table):
        self.book_table.append(table)

    def customer_order(self, order):
        self.customer_orders.append(order)

    def print_menu(self):
        print("Menu:")
        for item in self.menu_items:
            print("-", item)

    def print_table_reservations(self):
        print("Table Reservations:")
        for table in self.book_table:
            print("-", table)

    def print_customer_orders(self):
        print("Customer Orders:")
        for order in self.customer_orders:
            print("-", order)


restaurant = Restaurant()

restaurant.add_item_to_menu("Burger")

restaurant.book_tables("Table 1")

restaurant.customer_order("Burger")
```

```
restaurant.print_menu()
restaurant.print_table_reservations()
restaurant.print_customer_orders()
```

Menu:
- Burger
Table Reservations:
- Table 1
Customer Orders:
- Burger

In [ ]: