PRACTICAL NO-2

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INPUT:

```
customers = []
def add_customer(customer_name, customer_age, customer_gender):
    customer = {
        'name': customer_name,
        'age': customer_age,
        'gender': customer_gender
    }
    customers.append(customer)
    print("Customer added successfully!")

def search_customer_by_name(customer_name):
    for customer in customers:
        if customer['name'].lower() == customer_name.lower():
            return customer
    return None

def update_customer_age(customer_name, new_age):
    customer = search_customer_by_name(customer_name)
    if customer:
        customer['age'] = new_age
        print("Customer age updated successfully!")
    else:
        print("Customer not found.")

def display_all_customers():
    print("List of all customers:")
    for customer in customers:
        print("Name:", customer['name'])
        print("Age:", customer['age'])
        print("Gender:", customer['gender'])
        print("------------ ")

while True:
    print("Customer Management System")
    print(" -------------------------- ")
    print("1. Add Customer")
    print("2. Search Customer by Name")
    print("3. Update Customer Age")
    print("4. Display All Customers")
    print("5. Exit")

    choice = input("Enter your choice (1-5): ")
```

```
    if choice == ’1’:
        name = input("Enter customer name: ")
        age = int(input("Enter customer age: "))
        gender = input("Enter customer gender: ")
        add_customer(name, age, gender)
    elif choice == ’2’:
        name = input("Enter customer name to search: ")
        found_customer = search_customer_by_name(name)
        if found_customer:
            print("Customer found!")
            print("Name:", found_customer[’name’])
            print("Age:", found_customer[’age’])
            print("Gender:", found_customer[’gender’])
        else:
            print("Customer not found.")
    elif choice == ’3’:
        name = input("Enter customer name to update age: ")
        new_age = int(input("Enter new age: "))
        update_customer_age(name, new_age)
    elif choice == ’4’:
        display_all_customers()
    elif choice == ’5’:
        print("Exiting the program. Goodbye!")
        break
    else:
        print("Invalid choice. Please try again.")
    print("\n")
```

OUTPUT -----

```
            Customer Management System
- - - - - - - - - - - - - - -
1. Add Customer
2. Search Customer by Name
3. Update Customer Age
4. Display All Customers
5. Exit
Enter your choice (1-5): 1
Enter customer name: Hemant Madhav Mankar
Enter customer age: 19
Enter customer gender: MALE
Customer added successfully!


Customer Management System
- - - - - - - - - - - - - - -
1. Add Customer
2. Search Customer by Name
3. Update Customer Age
4. Display All Customers
5. Exit
Enter your choice (1-5): 1
Enter customer name: Hemant Madhav Mankar
```

Enter customer age: 19
Enter customer gender: MALE
Customer added successfully!

Customer Management System
---
1. Add Customer
2. Search Customer by Name
3. Update Customer Age
4. Display All Customers
5. Exit
Enter your choice (1-5): 2
Enter customer name to search: Hemant
Customer not found.

Customer Management System
---
1. Add Customer
2. Search Customer by Name
3. Update Customer Age
4. Display All Customers
5. Exit
Enter your choice (1-5): 2
Enter customer name to search: Hemant Madhav Mankar
Customer found!
Name: Hemant Madhav Mankar
Age:19
Gender: MALE

Customer Management System
---
1. Add Customer
2. Search Customer by Name
3. Update Customer Age
4. Display All Customers
5. Exit
Enter your choice (1-5): 4
List of all customers:
Name: Hemant Madhav Mankar
Age: 19
Gender: MALE

Name: Hemant Madhav Mankar
Age: 19
Gender: MALE

Customer Management System
---
1. Add Customer
2. Search Customer by Name

3. Update Customer Age
4. Display All Customers
5. Exit