**Customer class** and define below fields.

1. public int customerID

2. public string Name

3. public String address

4. public string phone\_number

Define a parameterized constructor in the Customer to initialize values to the above fields.

**CustomerDataException class:**

Define a custom exception class by the name “CustomerDataException".If any of the fields are invalid (for example, Name is empty, or phone\_number is invalid), it will throw CustomerDataException.Handles errors related to invalid customer data.

**CustomerUtility class** with methods:

**1.** **public List<Customer> customerData(Customer obj)**

This method returns the list of customer objects. Contains records of customer table in database we used.

**2.** **public void AddCustomer(Customer obj)**

This method used add the customer object to list.

**3.** **public void DisplayAllCustomers()**

This displays all customers details present in list.

**4.public Boolean IsCustomerExists(int customerId)**

This methods return true or false.If customer is exists in list return true or else false.It takes arguments has customerId and checks exists or not.