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Indexer_demo.Program Main(string[] args)
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace Indexer_demo
{
    class Program
    {
        class Customer{
            private static int count = 0;
            private string cust_id, cust_name, address, product_name_purchased, price_of_product;

            public Customer(){
                cust_id = Convert.ToString(++count);
            }

            public string this[int index]{
                set{
                    switch (index)
                    {
                        case 0:
                            cust_name = value;
                            break;
                        case 1:
                            address = value;
                            break;
                        case 2:
                            product_name_purchased = value;
                            break;
                        case 3:
                            price_of_product = value;
                            break;
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                        case 3:
                            price_of_product = value;
                            break;
                        default:
                            throw new ArgumentOutOfRangeException("index");
                    }
                }
            }
            get
            {
                switch (index)
                {
                    case 0:
                        return cust_id ;
                    case 1:
                        return cust_name;
                    case 2:
                        return address ;
                    case 3:
                        return product_name_purchased ;
                    case 4:
                        return price_of_product;
                    default:
                        throw new ArgumentOutOfRangeException("index");
                }
            }
        }
    }
}
```

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        public void Display_Data(){
            System.Console.WriteLine("\t-----");
            System.Console.WriteLine("cust_id"+cust_id);
            System.Console.WriteLine("cust_name"+cust_name);
            System.Console.WriteLine("cust_address"+address);
            System.Console.WriteLine("product purchased"+product_name_purchased);
            System.Console.WriteLine("price"+price_of_product);
            System.Console.WriteLine("\t-----");
        }
    }
}

```

```

    static void Main(string[] args)
    {
        int ch = 0;
        Customer cust = null;
        List<Customer> customers = new List<Customer>();

        while (true)
        {
            System.Console.WriteLine("\n1. Add new recode.");
            System.Console.WriteLine("2. Display all recode.");
            System.Console.WriteLine("0. Exit.");

            System.Console.Write("Enter Your Choice = ");
            ch = int.Parse(Console.ReadLine());
            switch (ch)
            {
                case 1:
                    cust = new Customer();
                    System.Console.Write("\tEnter Customer name = ");
                    cust[0] = Console.ReadLine();
                    System.Console.Write("\tEnter Address = ");
                    cust[1] = Console.ReadLine();
                    System.Console.Write("\tEnter product name purchased = ");
                    cust[2] = Console.ReadLine();
                    System.Console.Write("\tEnter product price = ");
                    cust[3] = Console.ReadLine();
                    customers.Add(cust);
                    break;

                    customers.Add(cust);
                    break;
                case 2:
                    for (int i = 0; i < customers.Count; i++)
                    {
                        customers[i].Display_Data();
                    }
                    break;

                case 0:
                    Environment.Exit(0);
                    break;
                default:
                    System.Console.WriteLine("Invalid input...!!");
                    break;
            }
        }
    }
}

```

```
C:\WINDOWS\system32\cmd. X + v
1. Add new recode.
2. Display all recode.
0. Exit.
Enter Your Choice = 1
    Enter Customer name = joseph
    Enter Address = downtown
    Enter product name purchased = pencils
    Enter product price = 30

1. Add new recode.
2. Display all recode.
0. Exit.
Enter Your Choice = 2
-----
cust_id1
cust_namejoseph
cust_addressdowntown
product purchasedpencils
price30
-----
```