using Newtonsoft.Json;

using System;

using System.Collections.Generic;

using System.IO;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace SampleApplication

{

class Program

{

static void Main(string[] args)

{

var Customers = new List<Customer>

{

new Customer

{

CustomerName="John",

Email="John@gmail.com",

Age=35,

TotalSales=1500.75,

FinalPurchaseDate=new DateTime(2022,3,25)

},

new Customer

{

CustomerName="Adil",

Email="adil@gmail.com",

Age=32,

TotalSales=1025.35,

FinalPurchaseDate=new DateTime(2022, 4, 18)

},

new Customer

{

CustomerName="Sarwar Akbar",

Email="sarwar.bly@gmail.com",

Age=40,

TotalSales=2136.47,

FinalPurchaseDate=new DateTime(2022,5,15)

}

};

//For Serialization of Customers object into JSON File.

//var customerJson = JsonConvert.SerializeObject(Customers);

// Console.WriteLine(customerJson);

//For DeSerialization of Customers object into JSON File.

var jsonstring = "[{\"CustomerName\":\"John\",\"Email\":\"John@gmail.com\",\"Age\":35,\"TotalSales\":1500.75,\"FinalPurchaseDate\":\"2022-03-25T00:00:00\"},{\"CustomerName\":\"Adil\",\"Email\":\"adil@gmail.com\",\"Age\":32,\"TotalSales\":1025.35,\"FinalPurchaseDate\":\"2022-04-18T00:00:00\"},{\"CustomerName\":\"Sarwar Akbar\",\"Email\":\"sarwar.bly@gmail.com\",\"Age\":40,\"TotalSales\":2136.47,\"FinalPurchaseDate\":\"2022-05-15T00:00:00\"}]";

var JsonListofCustomers = JsonConvert.DeserializeObject<List<Customer>>(jsonstring);

Console.ReadKey();

}

[Serializable]

public class Customer

{

public string CustomerName { get; set; }

public string Email { get; set; }

public int Age { get; set; }

public double TotalSales { get; set; }

public DateTime FinalPurchaseDate { get; set; }

}

}

}

string fileName= @"C:\Users\DELL\Desktop\API Assignment\prize.json";

string jsonText = File.ReadAllText(fileName);

var data = JsonConvert.DeserializeObject<Rootobject>(jsonText);