

```

//-- *****
//-- CLASS:      PersonDB
//-- AUTHOR:     Paul McKillop
//-- CREATED:    13 January 2019
//-- PURPOSE:    Retrieve and store person data
//-- *****

using System;
using System.Collections.Generic;
using System.Data;
using System.IO;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace ProductPerformance
{
    public class PersonDB
    {
        public static bool WritePerson(Person myPerson)
        {
            bool stateTrack = false;
            string personData = myPerson.PersonAllData();

            using (StreamWriter writer = new StreamWriter(@"D:\persons.txt", true))
            {
                writer.WriteLine(personData);

                writer.Close();
                writer.Dispose();

                stateTrack = true;
            }

            return stateTrack;
        }

        /// <summary>
        /// Returns all person data
        /// </summary>
        /// <returns>DataTable</returns>
        public static DataTable GetAllPersonData()
        {
            //-- Could go straight to return but make it clearer
            var dt = new DataTable();

            //-- Populate the object
            dt = ImportData.GetTextFileData(@"D:\persons.txt");

            //-- return the method
            return dt;
        }

        /// <summary>
        /// Gets short person data
        /// </summary>
        /// <returns>List of strings</returns>
        public static List<string> GetAllPersonShortData()
        {
            //-- Could go straight to return but make it clearer
            var dt = new DataTable();

            //-- Populate the object
            dt = ImportData.GetTextFileData(@"D:\persons.txt");

            //-- working variable

```

```
List<string> tempList = new List<string>();

foreach (DataRow row in dt.Rows)
{
    var currentPerson = new Person()
    {
        Forename = row.Field<string>(0),
        Surname = row.Field<string>(1),
        Postcode = row.Field<string>(4)
    };

    // --add the short data to the List
    tempList.Add(currentPerson.PersonShortData());
}

return tempList;
}
}
```