

```
1 using System;
2 using System.Collections.Generic;
3 using System.Text;
4 /*
5  * Title:    UserData
6  * Author:   Paul McKillop
7  * Date:    26 December 2019
8  * Purpose: User information that needs to be processed as the summary
9  */
10
11 namespace SignatureGeneratorV
12 {
13     public class UserData
14     {
15         public string Forename { get; set; }
16         public string Surname { get; set; }
17         public string Username { get; set; }
18         public string UserStringOriginal { get; set; }
19         public string UserStringReversed { get; set; }
20         public int Length { get; set; }
21         public int Score { get; set; }
22         public string StrengthGradeLong { get; set; }
23
24         public static string SummaryDataDisplay(UserData user)
25         {
26             var sb = new StringBuilder();
27
28             sb.Append("The user data is as follows: ").AppendLine().AppendLine
29                 ();
30             sb.Append("Forename: ").Append(user.Forename).AppendLine();
31             sb.Append("Surname: ").Append(user.Surname).AppendLine();
32             sb.Append("Username: ").Append(user.Username).AppendLine();
33             sb.AppendLine();
34             sb.Append("Original Key: ").Append
35                 (user.UserStringOriginal).AppendLine();
36             sb.Append("Encrypted: ").Append(user.UserStringReversed).AppendLine
37                 ();
38             sb.AppendLine();
39             sb.Append("Key strength: ").Append(user.Score.ToString
40                 ()).AppendLine();
41             sb.Append("Strength Grade: ").Append
42                 (user.StrengthGradeLong).AppendLine();
43             sb.AppendLine().AppendLine();
44
45             return sb.ToString();
46         }
47     }
48 }
```