

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6
7 namespace iterationOne
8 {
9     public class IdentifiableObject
10    {
11        public List<String> _identifiers = new List<string>();
12
13
14        public string FirstId
15        {
16            get
17            {
18                return _identifiers.Count > 0 ? _identifiers[0] :
19                    string.Empty;
20            }
21
22
23
24        public IdentifiableObject(String[] idents)
25        {
26            _identifiers = idents?.ToList() ?? new List<string>();
27        }
28
29        public Boolean AreYou(String id)
30        {
31            return _identifiers.Contains(id);
32        }
33        public void addIdentifier(String identifier)
34        {
35            _identifiers.Add(identifier);
36        }
37
38
39        public void privilegeEscalation(String pin)
40        {
41
42            if (_identifiers[0] == "2184")
43            {
44                _identifiers[0] = pin;
45                Console.WriteLine(_identifiers[0]);
46            }
47
48        }
```

49

50 }

51 }

52

```
1 namespace iterationOne
2 {
3     internal class Program
4     {
5         static void Main(string[] args)
6         {
7             Console.WriteLine("Hello, World!");
8             IdentifiableObject id = new IdentifiableObject(new string[]
9                 { "007", "Ved", "Makhijani"});
10            Console.WriteLine(
11                id.AreYou("Ved"));
12        }
13    }
14 }
```

```
1 using iterationOne;
2 namespace test1
3 {
4     public class Tests
5     {
6         private IdentifiableObject id;
7         [SetUp]
8
9         public void Setup()
10        {
11            id = new IdentifiableObject(new string[] { "184", "Ved",
12                "Makhijani" });
13
14            [Test]
15            public void TestAreYou()
16            {
17                bool testAvailable = id.AreYou("184");
18                Assert.IsTrue(testAvailable);
19            }
20
21            [Test]
22            public void TestAreYouNot()
23            {
24
25                bool testAvailable = id.AreYou("18o");
26                Assert.IsFalse(testAvailable);
27            }
28
29            [Test]
30            public void TestCaseSensitive()
31            {
32
33                bool testAvailable = id.AreYou("Ved");
34                Assert.IsTrue(testAvailable);
35            }
36
37            [Test]
38            public void Test()
39            {
40
41                bool testAvailable = id.AreYou("Ved");
42                Assert.IsTrue(testAvailable);
43            }
44
45            [Test]
46            public void TestFirstId()
47            {
48
```

```
49
50         bool testFirstId = id.AreYou(id.FirstId);
51         var firstId = id.FirstId;
52
53         // Assert
54         Assert.AreEqual("184", firstId);
55     }
56
57     [Test]
58     public void TestEmptyId() {
59         IdentifiableObject id = new IdentifiableObject(new string[]
60             {  });
61
62         var firstId = id.FirstId;
63
64         // Assert
65         Assert.AreEqual("", firstId);
66
67     }
68
69     [Test]
70     public void testAddIdentifiers()
71     {
72         IdentifiableObject id = new IdentifiableObject(new string[]
73             { "2184", "Ved", "Makhijani" });
74
75         id.privilegeEscalation("XXX");
76
77         // Assert
78         Assert.AreEqual("XXX", id.FirstId);
79
80     }
81 }
82
83
84 }
85 }
```



⚠ 1 Warning ❌ 0 Errors

Dur

▶ Run | ▶  Debug

test1 (7)

Tests (7)

✓ Test

✓ testAddIdentifiers

✔ TestAreYou

✔ TestAreYouNot

✔ TestCaseSensitive

✔ TestEmptyId

✔ TestFirstId