

```
1
2 namespace Wk6InheritanceExample3
3 {
4     interface IPayDetail
5     {
6         string GetPayDetailInformation();
7     }
8 }
9
```

```
1
2 namespace Wk6InheritanceExample3
3 {
4     class Person
5     {
6         private string _Name;
7
8         public string Name { get { return _Name; } }
9
10        public Person(string name)
11        {
12            _Name = name;
13        }
14
15        public override string ToString()
16        {
17            return _Name;
18        }
19    }
20 }
```

```
1
2
3 namespace Wk6InheritanceExample3
4 {
5     class Salary : IPayDetail
6     {
7         private Person _ContactDetails;
8         private decimal _Salary;
9
10        public Person ContactDetails
11        { get { return _ContactDetails; } }
12
13        public decimal AnnualSalary
14        {
15            get { return _Salary; }
16            set { _Salary = value; }
17        }
18
19        public string GetPayDetailInformation()
20        {
21            return string.Format("{0:c} salary - Weekly Payment: {1:c}",    ↗
22                _Salary, _Salary/52);
23        }
24
25        public Salary(string name, decimal amount)
26        {
27            _ContactDetails = new Person(name);
28            _Salary = amount;
29        }
30
31        public override string ToString()
32        {
33            return string.Format("{0} - {1}", _ContactDetails,    ↗
34                GetPayDetailInformation());
35        }
36    }
```

```
1
2
3 namespace Wk6InheritanceExample3
4 {
5     class Wage : IPayDetail
6     {
7         private Person _ContactDetails;
8         private decimal _Rate;
9
10        public Person ContactDetails
11        { get { return _ContactDetails; } }
12
13        public decimal Rate { get { return _Rate; } set { _Rate = value; } }
14
15        public Wage(string name, decimal rate)
16        {
17            _ContactDetails = new Person(name);
18            _Rate = rate;
19        }
20
21        public string GetPayDetailInformation()
22        {
23            return string.Format("{0:c} Hour Rate - Weekly Payment: {1:c}",
24                                   _Rate, _Rate * 36 );
25        }
26
27        public override string ToString()
28        {
29            return string.Format("{0} - {1}", _ContactDetails,
30                                   GetPayDetailInformation());
31        }
32    }
33
```

```
1 using System;
2 using System.Collections.Generic;
3
4 namespace Wk6InheritanceExample3
5 {
6     class Program
7     {
8         static void Main(string[] args)
9         {
10             List<IPayDetail> Employee = new List<IPayDetail>();
11
12             Employee.Add(new Salary("Benita", 60000m));
13             Employee.Add(new Wage("Travis", 25m));
14
15
16             Console.WriteLine("\nEmployee List:");
17             foreach (IPayDetail emp in Employee)
18                 if (emp != null) Console.WriteLine("\t{0}", emp);
19         }
20     }
21 }
22
```