```csharp
namespace Wk5InheritanceExample
{
    class PayDetail
    {
        private string _Pay;
        public string Pay { get { return _Pay; } }
        public PayDetail(string pay = "UNKNOWN") { _Pay = pay; }
    }
}
```

```csharp
1
2
3  namespace Wk5InheritanceExample
4  {
5      class Person
6      {
7          private string _Name;
8          private PayDetail _Payment;
9
10         public string Name { get { return _Name; } }
11         public PayDetail Payment { get { return _Payment; } }
12
13         public Person(string name, PayDetail pay)
14         {
15             _Name = name;
16             _Payment = pay;
17         }
18         public virtual string GetPayDetailInformation() { return          ⏎
             _Payment.Pay; }
19
20         public override string ToString()
21         {
22             return _Name;
23         }
24     }
25 }
```

```csharp
1
2
3  namespace Wk5InheritanceExample
4  {
5      class Salary : Person
6      {
7          private decimal _Salary;
8          public decimal AnnualSalary
9          {
10             get { return _Salary;  }
11             set { _Salary = value; }
12         }
13
14         public override string GetPayDetailInformation()
15         {
16             return string.Format("{0:c} salary - Weekly Payment: {1:c}",
                   _Salary, _Salary/52);
17         }
18
19         public Salary(string name, decimal amount): base(name, new PayDetail
               ("SALARY PAYMENT"))
20         {
21             _Salary = amount;
22         }
23
24         public override string ToString()
25         {
26             return string.Format("{0} - {1}", base.ToString(),
                   GetPayDetailInformation());
27         }
28     }
29 }
30
```

```csharp
 1
 2
 3  namespace Wk5InheritanceExample
 4  {
 5      class Wage : Person
 6      {
 7          private decimal _Rate;
 8          public decimal Rate { get { return _Rate; } set { _Rate = value; } }
 9
10          public Wage(string name, decimal rate) : base(name, new PayDetail
              ("Wage Payment"))
11          { _Rate = rate; }
12
13          public override string GetPayDetailInformation()
14          {
15              return string.Format("{0:c} Hour Rate - Weekly Payment: {1:c}",
                  _Rate, _Rate *36 );
16          }
17
18          public override string ToString()
19          {
20              return string.Format("{0} - {1}", base.ToString(),
                  GetPayDetailInformation());
21          }
22
23      }
24  }
25
```

```csharp
1  using System;
2  using System.Collections.Generic;
3
4  namespace Wk5InheritanceExample
5  {
6      class Program
7      {
8          static void Main(string[] args)
9          {
10             List<Person> Employee = new List<Person>();
11
12             Employee.Add(new Salary("Benita", 60000m));
13             Employee.Add(new Wage("Travis", 25m));
14
15
16             Console.WriteLine("\nEmployee List:");
17             foreach (Person emp in Employee)
18                 if (emp != null) Console.WriteLine("\t{0}", emp);
19         }
20     }
21 }
22
```