

```
1  /* PRACTICAL10: Write an application that illustrates method overriding in the same package and different
   packages.
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2
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```

```
7  // CODE:
```

```
8
9  // Beverage.java (Same Package)
```

```
10 package Cafe;
11 public class Beverage
12 {
13     public void prepare()
14     {
15         System.out.println("Preparing a basic beverage.");
16     }
17 }
```

```
18
19 // Coffee.java (Same Package)
```

```
20 package Cafe;
21 public class Coffee extends Beverage
22 {
23     public void prepare()
24     {
25         System.out.println("Brewing a cup of coffee.");
26     }
27     public void addCream()
28     {
29         System.out.println("Adding cream to the coffee.");
30     }
31 }
```

```
32
33 // Tea.java (Same Package)
```

```
34 package Cafe;
35 public class Tea extends Beverage
36 {
37     public void prepare()
38     {
39         System.out.println("Steeping a cup of tea.");
40     }
41     public void addLemon()
42     {
43         System.out.println("Adding lemon to the tea.");
44     }
45 }
```

```
46
47 // ChaiTea.java (Different Package)
```

```
48 package special;
49 import Cafe.Tea;
50 public class ChaiTea extends Tea
51 {
52     public void prepare()
53     {
54         System.out.println("Brewing a cup of chai tea.");
55     }
56 }
```

```
57
58 // ...
```

```
58 // practical10.java
59 package Cafe;
60 import Special.ChaiTea;
61 public class practical10
62 {
63     public static void main(String[] args)
64     {
65         Beverage basicBeverage = new Beverage();
66         Coffee coffee = new Coffee();
67         Tea tea = new Tea();
68         ChaiTea chaiTea = new ChaiTea();
69
70         System.out.println("Basic Beverage:");
71         basicBeverage.prepare();
72
73         System.out.println("\nCoffee:");
74         coffee.prepare();
75         coffee.addCream();
76
77         System.out.println("\nTea:");
78         tea.prepare();
79         tea.addLemon();
80
81         System.out.println("\nChai Tea:");
82         chaiTea.prepare();
83     }
84 }
```