```
1 /*
2 * To change this license header, choose License Headers in Project Properties.
3 * To change this template file, choose Tools | Templates
ConstructorChain.java
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   public static void main(String[] args) {
   A obj = new A();
                                                                                                                                                                     * and open the template in the editor.
                                                                                                                                                                                                                                                                                                                                                                                                       System.out.println(obj.a);
                                                                                                                                                                                                                                               6 package ex3;
7 / **
8 /**
   2021/12/10 上午2:28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  int[] list = { 4, 2, 11, 10, 7, 45, 60, 59, 50, 66, 79, 70, 69 }; // unsorted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  // System.out.println("Index is " + java.util.Arrays.binarySearch(list,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    // sorted => {2, 4, 7, 10, 11, 45, 50, 59, 68, 66, 69, 70, 79} System.out.println("Index is " + Arrays.binarySearch(list, num));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Scanner scanner = new Scanner(System.in);
System.out.print("Enter the number for search: ");
APITest.java
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              public static void main(String[] args) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            // java.util.Arrays.sort(list);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        int num = scanner.nextInt();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Arrays.sort(list);
                                                                                           2
3 import java.util.Scanner;
                                                                                                                                                                        4 import java.util.Arrays;
                                                                                                                                                                                                                                           /**

* * @author vanting

* * @author vanting

9 */

10 public class APITest {

11 public static void mm.

13 Scanner scanner scanner system.out.print

14 int num = scanner

15 int[] list = { 4 Arrays.sort(list) / / sorted => {2, 2, 22, 21 System.out.print; 22 / / System.out.print; 23 / / System.out.print; 24 / / System.out.print; 25 / / System.out.printfill 25 / / System.out.printfill 25 / / 
                                                  1 package ex3;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 num));
```

a = super.b; // what is the value of a??

localhost:4649/?mode=clike 7 localhost:4649/?mode=clike

```
public static Fruit[] getSomeFruits() {
   Fruit[] someFruits = {new Fruit(), new Apple(), new Banana()};
          2 * To change this template, choose Tools | Templates 8 * and open the template in the editor.
                                                                                                System.out.println("**undefined**");
                                                                                                                                     System.out.println("Red");
                                        5 package ex3; 6 / **
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                Faculty.java
     1 package ex3;
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              3 /*
```

System.out.println("Yellow");

FruitStore.java

localhost:4649/?mode=clike 7 localhost:4649/?mode=clike

```
public static void main(String[] args) {
    // I know nothing about the types of animals, just poke it!
    Fruit[] fruits = FruitStore.getSomeFruits();
    findColor(fruits);
                                                                                                                            public static void findColor(Fruit[] fruits) {
   for(int i=0; i<fruits.length; i++) {
      // dynamically bind to the subtype method
   fruits[i].color();</pre>
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```

localhost:4649/?mode=clike

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