

```

1  // Add time (hours and minutes) by passing arrays using Call by Reference
2
3  import java.util.Scanner;
4
5  public class adder {
6      int[] a;
7
8      adder() {
9          a = new int[2];
10     }
11
12     public static void main(String[] args) {
13         adder X = new adder();
14         adder Y = new adder();
15         X.readtime();
16         Y.readtime();
17         adder Z = new adder();
18         Z.addtime(X, Y);
19         Z.disptime();
20     }
21
22     void readtime() {
23         Scanner sc = new Scanner(System.in);
24         System.out.println("Enter hours and minutes");
25         for (int i = 0; i < a.length; i++)
26             a[i] = sc.nextInt();
27         sc.close();
28     }
29
30     // Both arrays are passed as objects and final values are stored in calling object
31     void addtime(adder X, adder Y) {
32         this.a[0] = X.a[0] + Y.a[0];
33         this.a[1] = X.a[1] + Y.a[1];
34         if (this.a[1] > 60) {
35             this.a[0] += 1;
36             this.a[1] %= 60;
37         }
38     }
39
40     void disptime() {
41         System.out.println("hours = " + a[0] + " and minutes = " + a[1]);
42     }
43 }
44 /**
45  * Variable      Data      Table
46  * a              int[]     Instance variable array
47  * i              int       Used as count
48  */

```