

```

1  #include <stdio.h>
2  int main() {
3      int i, j, n, a[1000];
4      int temp = 0;
5      printf("Enter the size of array: ");
6      scanf("%d", &n);
7      printf("Enter the elements of array: ");
8      for (i = 0; i < n; i++) {
9          scanf("%d", &a[i]);
10     }
11     printf("Duplicate elements are:\n");
12     for (i = 0; i < n; i++) {
13         int flag = 0;
14         for (j = 0; j < i; j++) {
15             if (a[i] == a[j]) {
16                 flag = 1;
17                 break;
18             }
19         }
20         if (!flag) {
21             for (j = i + 1; j < n; j++) {
22                 if (a[i] == a[j]) {
23                     printf("%d ", a[i]);
24                     break;
25                 }
26             }
27         }
28     }
29     printf("\n");
30     return 0;
31 }
32

```