```
🚟 F:\Resource\CSE\assignment\assignment 9\union_of_array.c - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
                                                       TDM-GCC 4.9.2 64-bit Debug
           (globals)
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diffrence_of_consecutive.c | linear_searching.c | union_of_array.c | bubble_sort.c
     #include<stdio.h>
     int main()
 3
     int a1[100],a2[100],u[100],i,j,k,n,m,flag;
     printf("Enter size of first array:");
 7
     scanf("%d",&n);
     for(i=0;i<n;++i){
 8
         printf("Enter element of first array: ");
10
          scanf("%d",&a1[i]);
11
12
13
     printf("\nEnter size of second array:");
     scanf("%d",&m);
14
15 for(i=0;i<m;++i){
         printf("Enter element of second array: ");
16
17
          scanf("%d",&a2[i]);
18
     }
19
20
     k=0;
21 for(i=0;i<n;++i){
22
         u[k]=a1[i];
         k++;
24
25 for(i=0;i<m;++i){
          flag=1;
27
          for(j=0;j<n;++j){
28
              if(a2[i]==a1[j]){
              flag=0;
29
30
              break;
32
33 if(flag){
34
         u[k]=a2[i];
35
         k++;
     printf("\nUnion of two arrays is:\n");
38
          for(i=0;i<k;++i){
39
40
              printf("%d ",u[i]);
      return 0;
```

```
Enter size of first array:4
Enter element of first array: 1
Enter element of first array: 2
Enter element of first array: 2
Enter element of first array: 3
Enter element of first array: 4

Enter size of second array: 4

Enter size of second array: 12
Enter element of second array: 13
Enter element of second array: 11
Enter element of second array: 11
Enter element of second array: 2
Enter element of second array: 1
Enter element of second array: 2
Union of two arrays is:

1 2 3 4 12 33 11 11

Process exited after 22.23 seconds with return value 0
Press any key to continue . . .
```