diffrence_of_consecutive.c   linear_searching.c   union_of_array.c   bubble_sort.c

```c
#include<stdio.h>
int main()
{
int a1[100],a2[100],u[100],i,j,k,n,m,flag;

printf("Enter size of first array:");
scanf("%d",&n);
for(i=0;i<n;++i){
    printf("Enter element of first array: ");
    scanf("%d",&a1[i]);
}

printf("\nEnter size of second array:");
scanf("%d",&m);
for(i=0;i<m;++i){
    printf("Enter element of second array: ");
    scanf("%d",&a2[i]);
}

k=0;
for(i=0;i<n;++i){
    u[k]=a1[i];
    k++;
}
for(i=0;i<m;++i){
    flag=1;
    for(j=0;j<n;++j){
        if(a2[i]==a1[j]){
        flag=0;
        break;
        }
    }
    if(flag){
        u[k]=a2[i];
        k++;
        }
}
printf("\nUnion of two arrays is:\n");
    for(i=0;i<k;++i){
        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: 3
Enter element of first array: 4

Enter size of second array:9
Enter element of second array: 12
Enter element of second array: 33
Enter element of second array: 1
Enter element of second array: 11
Enter element of second array: 2
Enter element of second array: 3
Enter element of second array: 2
Enter element of second array: 11
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 . . .
```