

20. Array Concatenation

Aim: To concatenate two arrays into a single array.

Algorithm:

- 1. Read sizes and elements of two arrays.**
- 2. Copy elements of array1 to new array.**
- 3. Append elements of array2.**
- 4. Display concatenated array.**

code:

```
#include <stdio.h>
```

```
int main(){
```

```
    int a[3]={1,2,3}, b[3]={4,5,6}, c[6], i;
```

```
    for(i=0;i<3;i++) c[i]=a[i];
```

```
    for(i=0;i<3;i++) c[i+3]=b[i];
```

```
    printf("Concatenated Array: ");
```

```
    for(i=0;i<6;i++) printf("%d ",c[i]);
```

```
    return 0;
```

```
}
```

Sample Output:

Concatenated Array: 1 2 3 4 5 6

Result:

Two arrays were successfully concatenated into one.

