

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

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int main() {  
    int arr1[] = {1, 2, 3};  
    int arr2[] = {4, 5, 6};  
    int merged[6];  
    int i, j;  
  
    for (i = 0; i < 3; i++) {  
        merged[i] = arr1[i];  
    }  
  
    for (j = 0; j < 3; j++) {  
        merged[i + j] = arr2[j];  
    }  
  
    for (i = 0; i < 6; i++) {  
        printf("%d ", merged[i]);  
    }  
  
    return 0;  
}
```