

EXPERIMENT 2:

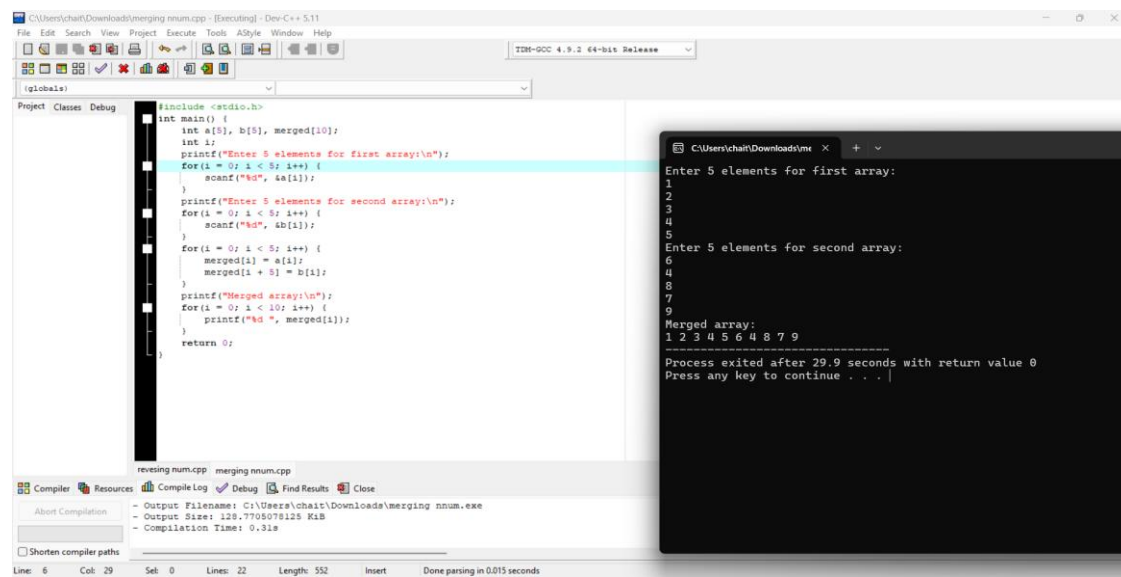
MERGING THE ARRAYS

CODE:

```
#include <stdio.h>

int main() {
    int a[5], b[5], merged[10];
    int i;
    printf("Enter 5 elements for first array:\n");
    for(i = 0; i < 5; i++) {
        scanf("%d", &a[i]);
    }
    printf("Enter 5 elements for second array:\n");
    for(i = 0; i < 5; i++) {
        scanf("%d", &b[i]);
    }
    for(i = 0; i < 5; i++) {
        merged[i] = a[i];        // Copy first 5 elements
        merged[i + 5] = b[i];    // Copy next 5 elements
    }
    printf("Merged array:\n");
    for(i = 0; i < 10; i++) {
        printf("%d ", merged[i]);
    }
    return 0;
}
```

OUTPUT:



```
int main() {
    int a[5], b[5], merged[10];
    int i;
    printf("Enter 5 elements for first array:\n");
    for(i = 0; i < 5; i++) {
        scanf("%d", &a[i]);
    }
    printf("Enter 5 elements for second array:\n");
    for(i = 0; i < 5; i++) {
        scanf("%d", &b[i]);
    }
    for(i = 0; i < 5; i++) {
        merged[i] = a[i];
        merged[i + 5] = b[i];
    }
    printf("Merged array:\n");
    for(i = 0; i < 10; i++) {
        printf("%d ", merged[i]);
    }
    return 0;
}
```

revesing num.cpp merging_nnum.cpp

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Output Filename: C:\Users\chair\Downloads\merging_nnum.exe
Output Size: 128.7705078125 KiB
Compilation Time: 0.31s

Shorten compiler paths

Line: 6 Col: 29 Sel: 0 Lines: 22 Length: 552 Insert Done parsing in 0.015 seconds

C:\Users\chair\Downloads\me x + v

Enter 5 elements for first array:
1
2
3
4
5
Enter 5 elements for second array:
6
4
8
7
9
Merged array:
1 2 3 4 5 6 4 8 7 9

Process exited after 29.9 seconds with return value 0
Press any key to continue . . .