

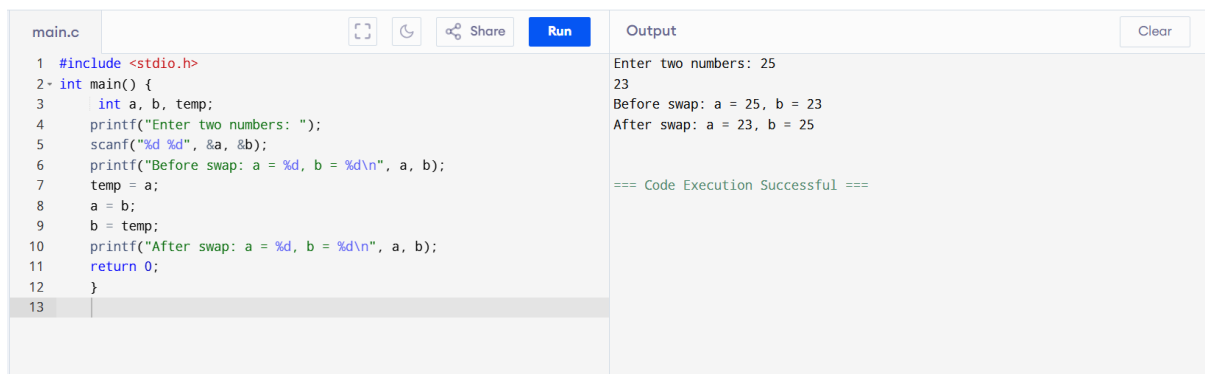
c programming assignment 1

Mandanka Prince

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1 24. Swap two values.

```
#include <stdio.h>
int main() {
    int a, b, temp;
    printf("Enter two numbers: ");
    scanf("%d %d", &a, &b);
    printf("Before swap: a = %d, b = %d\n", a, b);
    temp = a;
    a = b;
    b = temp;
    printf("After swap: a = %d, b = %d\n", a, b);
    return 0;
}
```



The screenshot shows a code editor with a file named 'main.c'. The code is a C program that swaps two integers. The output window shows the program's execution: it prompts for two numbers (25 and 23), prints the values before the swap, performs the swap, and prints the values after the swap. The output is: 'Enter two numbers: 25 23', 'Before swap: a = 25, b = 23', and 'After swap: a = 23, b = 25'. A green message '=== Code Execution Successful ===' is displayed at the bottom of the output window.

```
main.c  [Icons]  Run  Output  Clear

1 #include <stdio.h>
2 int main() {
3     int a, b, temp;
4     printf("Enter two numbers: ");
5     scanf("%d %d", &a, &b);
6     printf("Before swap: a = %d, b = %d\n", a, b);
7     temp = a;
8     a = b;
9     b = temp;
10    printf("After swap: a = %d, b = %d\n", a, b);
11    return 0;
12 }
13
```

Enter two numbers: 25 23
Before swap: a = 25, b = 23
After swap: a = 23, b = 25

=== Code Execution Successful ===

Figure 1: program 24