#include <stdio.h>

void swap(int \* num1, int \* num2);

int main()

{

int num1, num2;

printf("Enter two numbers: ");

scanf("%d%d", &num1, &num2);

printf("Before swapping in main n");

printf("Value of num1 = %d \n", num1);

printf("Value of num2 = %d \n\n", num2);

swap(&num1, &num2);

printf("After swapping in main n");

printf("Value of num1 = %d \n", num1);

printf("Value of num2 = %d \n\n", num2);

return 0;

}

void swap(int \* num1, int \* num2)

{

int temp;

// Copy the value of num1 to some temp variable

temp = \*num1;

// Copy the value of num2 to num1

\*num1= \*num2;

// Copy the value of num1 stored in temp to num2

\*num2= temp;

printf("After swapping in swap function n");

printf("Value of num1 = %d \n", \*num1);

printf("Value of num2 = %d \n\n", \*num2);

}