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CODECHEF

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Code, Compile & Run

Ide ✗ +

Contest Code/Name (e.g. JUNE15/PRACTICE)   Problem Code/Name (e.g. TEST)

Select

C (gcc 6.7) ▼   💾   🗑   Code auto saved every second   ❶ ⬇ ↗ ⚙

```c
1   #include <stdio.h>
2   int main()
3 ▾ {
4       int x,y,*a,*b,temp;
5       printf("Enter the values of x&y\n");
6       scanf("%d\n%d\n",&x,&y);
7       printf("%d\n%d\n",x,y);
8       printf("before swapping \nx=%d\ny=%d\n",x,y);
9       a=&x;
10      b=&y;
11      temp=*b;
12      *b=*a;
13      *a=temp;
14      printf("after swapping\nx=%d\ny=%d\n",x,y);
15      return 0;
16  }
```

14:11   ↻

Open File   ✓ Custom Input   **Run**

Custom Input

85 30

Status Successfully executed   Date 2020-07-06 14:13:23   Time 0 sec   Mem 9.424 kB   ✗

Input

85 30

Output

```
before swapping
x=85
y=30
after swapping
x=30
y=85
```

Rakshith   4AL1QIS0A1.

C program to swap two numbers using pointers or call by reference.

Algorithm:

Step 1: Start
Step 2: input x, y
Step 3: $a = \&x$
Step 4: $b = \&y$
Step 5: $temp = *b$
Step 6: $*b = *a$
Step 7: $*a = temp$
Step 8: output x, y
Step 9: Stop.

Flowchart:

Start
↓
Input x, y
↓
$a = \&x$
↓
$b = \&y$
↓
$temp = *b$
↓
$*b = *a$
↓
$*a = temp$
↓
out x, y
↓
Stop