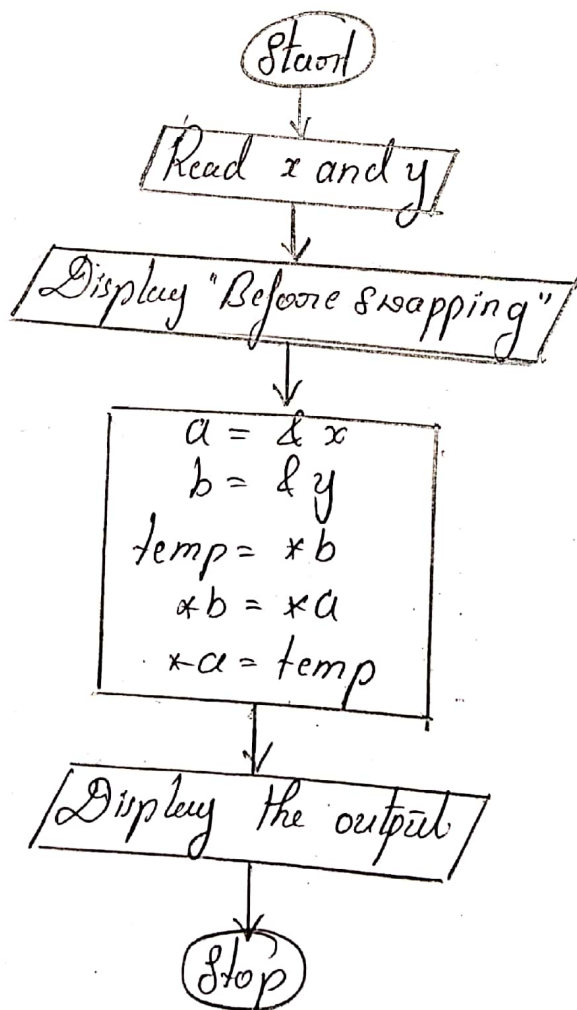Program to swap 2 number by pointer

Algorithm

Step 1 : Start

Step 2 : Read x and y

Step 3 : Display " Before swapping "

Step 4 :
$$a = \&x$$
$$b = \&y$$
$$temp = *b$$
$$*b = *a$$
$$*a = temp$$

Step 5 : Display the output

Step 6 : Stop

Flowchart

⌂   ⊘ Lite | vw.codechef.com   :D   ⋮

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Code, Compile & Run

Ide   ✕   +

GANAVI	Problem Code/Name (e.g. TEST)	Select

C (gcc 6.3) ▾   💾   🗑   Code gets autosaved every second   ⓘ ⤓ ⤢ ⚙

```
 1   #include <stdio.h>
 2
 3   int main()
 4   {
 5       int x, y, *a, *b, temp;
 6
 7       printf("Enter the value of x and y\n");
 8       scanf("%d%d", &x, &y);
 9
10       printf("Before Swapping\nx = %d\ny = %d\n", x, y);
11
12       a = &x;
13       b = &y;
14
15       temp = *b;
16       *b = *a;
17       *a = temp;
18
19       printf("After Swapping\nx = %d\ny = %d\n", x, y);
20
21       return 0;
22   }
23
24
25
26
27
28
```

21:1   ↻

Open File		✓Custom Input	Run

Custom Input

```
5 3
```

Status Successfully executed Date 2020-06-28 12:15:08 Time 0 sec Mem 9.424 kB	✕

Input
```
5 3
```

Output
```
Before Swapping
x = 5
y = 3
After Swapping
x = 3
y = 5
```