

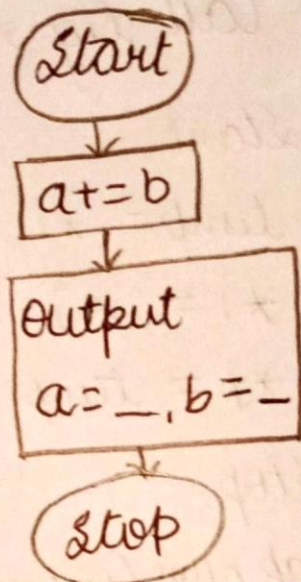
I. Call by value

1. Start
2. $a += b$
3. Output in function
 $a = _$ and $b = _$

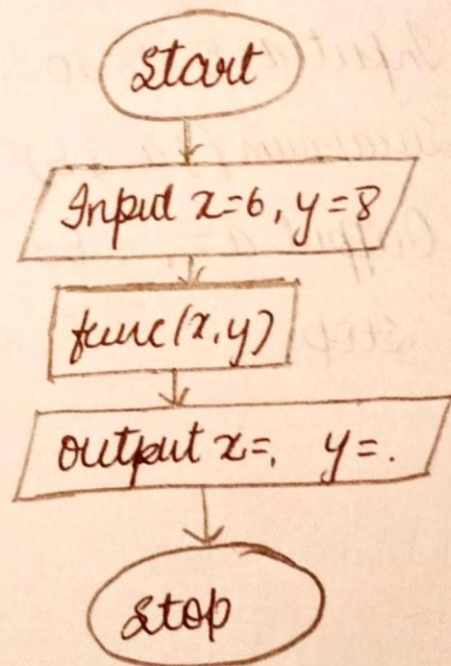
4. Stop

function(int a, int b)

1. Start
2. input $x = 6, y = 8$
3. function(x, y)
4. Output in main
 $x = _$ and $y = _$
5. Stop.



function(int a, int b)



II Call by reference

1. Start

2. $\text{temp} = *i$

$*i = *j$

$*j = \text{temp}$

3. Stop

$\text{Swapnum}(\text{int } *i, \text{int } *j)$

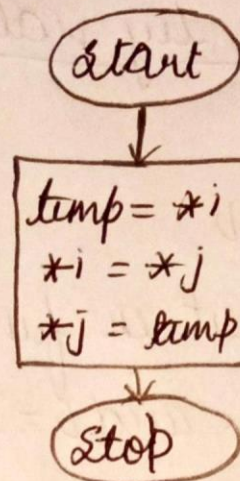
1. Start

2. Input $a=15, b=30$

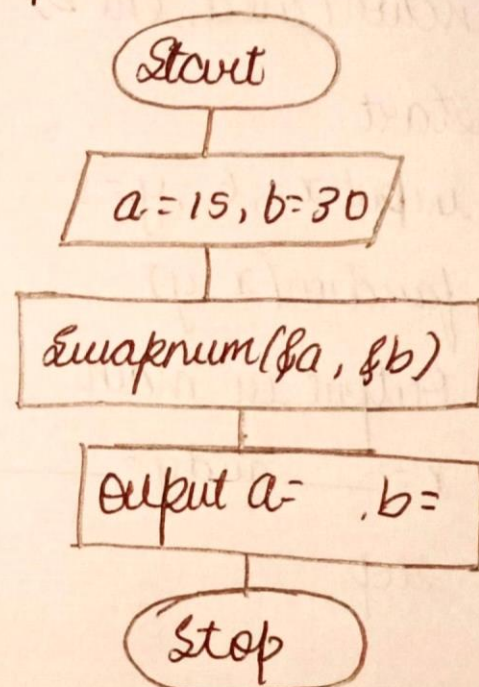
3. $\text{Swapnum}(\&a, \&b)$

4. Output $a=, b=$

5. Stop.



$\text{Swapnum}(\text{int } *i, \text{int } *j)$



C (gcc 6.3)



Code gets autosaved every second

```
1 #include<stdio.h>
2 void swapnum(int*i,int*j)
3 {
4     int temp=*j;
5     *i=*j;
6     *j=temp;
7 }
8 int main(void)
9 {
10     int a=15,b=30;
11     swapnum(&a,&b);
12     printf("a is %d and b is %d\n", a,b);
13 }
```

0:0

Open File

Status Successfully executed Date 2020-06-29 07:07:31 Time 0

Output

a is 30 and b is 30

Contest Code/Name (e.g. JULY15/PRACTICE)

Problem Code/Name (e.g. TEST)

C (gcc 6.3)



Code gets autosaved every second

```
1 #include<stdio.h>
2 void func(int a, int b)
3 {
4     a+=b;
5     printf("In the function a=%d and b=%d\n", a, b);
6 }
7 int main(void)
8 {
9     int x=6,y=8;
10    func(x,y);
11    printf("In the main x=%d and y=%d\n", x, y);
12 }
```

0:0

Open File

☐ C

Status Successfully executed Date 2020-06-29 07:02:51 Time 0 sec Mem

Output

```
In the function a=14 and b=8
In the main x=6 and y=8
```