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//49(a) Swapping 2 numbers using Call by Value
#include <stdio.h>

void swap(int, int);

int main()
{
    int x, y;

    printf("Enter the value of x and y\n");
    scanf("%d%d",&x,&y);

    printf("Before Swapping\nx = %d\nny = %d\n", x, y);

    swap(x, y);

    printf("After Swapping\nx = %d\nny = %d\n", x, y);

    return 0;
}

void swap(int a, int b)
{
    int temp;

    temp = b;
    b = a;
    a = temp;
    printf("Values of a and b is %d %d\n",a,b);
}
```

Output:  
Enter the value of x and y  
Before Swapping  
x = 10  
y = 5  
Values of a and b is 5 10  
After Swapping  
x = 10  
y = 5

```
//49(b)Swaping two number call by reference
#include <stdio.h>

void swap(int*, int*);

int main()
{
    int x, y;
```

```
printf("Enter the value of x and y\n");
scanf("%d%d",&x,&y);

printf("Before Swapping\nx = %d\ny = %d\n", x, y);

swap(&x, &y);

printf("After Swapping\nx = %d\ny = %d\n", x, y);

return 0;
}

void swap(int *a, int *b)
{
    int temp;

    temp = *b;
    *b = *a;
    *a = temp;
}
```