

Parameters Passing or Argument Passing

These are two ways of passing the parameters to a function

- (a) Call by value
- (b) Call by reference

(A) Call by Value :- In this value of actual arguments is copied to the formal arguments. So any change in the formal arguments does not effect the actual arguments.

```
void swap (int a, int b)
```

```
{  
    int p;  
    p=a;  
    a=b;  
    b=p; printf("value of a=%d and b=%d\n",  
                *a, *b);  
}
```

```
void main ()
```

```
{ int k=50, m=25;  
  swap(k,m);  
  printf("value of k=%d and m=%d", k,m);  
}
```

Output

Value of a = 25 and b = 50

Value of k = 50 and m = 25

As we see value of actual parameters does not changes.