

```
void quicksort(int array[], int left, int right) {  
  
    int i = left;  
    int j = right;  
    int temp;  
    int pivot = array[(left + right) / 2];  
  
    while (i <= j) {  
        while (array[i] < pivot)  
            i++;  
        while (array[j] > pivot)  
            j--;  
        if (i <= j) {  
            temp = array[i];  
            array[i] = array[j];  
            array[j] = temp;  
            i++;  
            j--;  
        }  
    }  
  
    if (left < j)  
        quicksort(array, left, j);  
    if (i < right)  
        quicksort(array, i, right);  
  
}
```