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Quick Sort

Code Id	29
Date Updated	3/7/2010
Title	Quick Sort
Description	

This program implements quick sort 0 a divide and conquer method. In order to so

Codes Snippet

```
partition (int a[], int low, int high, int *point)
{
    int x, left, right, temp;
    x=a[low]; /* the algorithm is trying to find the proper position of x*/
    left = high;
    right = low + 1;
    while ( right < left)
    {
        while (a[right] <= x) && (right < left)
            right ++;
        while(a[left]>x)
            left --;
        if (right < left)
        { /*the two elements are on the wrong side interchange a[right] and a[left]
            temp = a[right];
            a[right] = a[left];
            a[left] = temp;
            right++;
            left -- ;
        }
    }
    /*interchange a[low] and a[left]*/
    a[low]=a[left];
    a[left]=x;
    *point=left;
}
```

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