

## quickSort Method

```
void quickSort (int[] list, int first, int last)
{
    int g = first, h = last;
    int midIndex, dividingValue;

    midIndex = (first + last) / 2;
    dividingValue = list[midIndex];
    do
    {
        while (list[g] < dividingValue) g++;
        while (list[h] > dividingValue) h--;
        if (g <= h)
        {
            int temp = list[g];
            list[g] = list[h];
            list[h] = temp;
            g++;
            h--;
        }
    }
    while (g < h);
    if (h > first) quickSort (list, first, h);
    if (g < last) quickSort (list, g, last);
}
```