

<html><head></head><body><pre style="word-wrap: break-word; white-space: pre-wrap;">//  
Ozbirn, 09/03/14

```
public class RecursiveSums
{
    public static int sum(int arr[], int i)
    {
        if (i == arr.length - 1)
            return arr[i];
        else
            return arr[i] + sum(arr, i+1);
    }

    public static int sum2(int arr[], int left, int right)
    {
        if (left == right)
            return arr[left];
        else
        {
            int center = (left + right)/2;

            int leftsum = sum2(arr, left, center);
            int rightsum = sum2(arr, center+1, right);

            return leftsum+rightsum;
        }
    }

    public static void main(String args[])
    {
        int arr[] = { 1, 2, 3, 4, 5, 6, 7, 8 };

        int mysum = sum(arr, 0);

        System.out.println("Sum is: " + mysum);

        int mysum2 = sum2(arr, 0, arr.length-1);

        System.out.println("Sum is: " + mysum2);

    }
}
</pre></body></html>
```