**Problem Statement : Recursion: Array Sum**

**Problem Statement :** Write a function that finds the sum of an array. **Make your function recursive.**

****Solution :****

**public class Program {**

**public static int sum(int[] arr) {**

**int total = 0;**

**if (arr == null || arr.length == 0) {**

**return 0;**

**} else {**

**for (int i : arr) {**

**total += i;**

**}**

**return total;**

**}**

**}**

**public static void main(String[] args) {**

**System.out.println(sum(new int[]{1, 2, 3, 4}));**

**System.out.println(sum(new int[]{1, 2}));**

**System.out.println(sum(new int[]{1}));**

**System.out.println(sum(new int[]{}));**

****}****

****}****