### **Question 1 [5 Points]**

| | 1 | public class Tracing6 { | | --- | --- | | 2 | public static void main(String[] args) { | | 3 | int[] arr = {3, 1, 4, 2, 5}; | | 4 | recur(arr, 0, 0); | | 5 | } | | 6 | public static void recur(int[] b, int i, int s) { | | 7 | if (i >= b.length) { | | 8 | return; | | 9 | } | | 10 | int val = b[i]; | | 11 | b[i] = s; | | 12 | recur(b, i + 1, s + val); | | 13 | System.out.println(b[i]); | | 14 | } | | 15 | } | | | **Output** | | --- | |  | |  | |  | |  | |  | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

### **Question 2 [5 Points]**

| | 1 | public class A { | | --- | --- | | 2 | public static void main(String[] args) { | | 3 | metA(3); | | 4 | } | | 5 | public static void metA(int n) { | | 6 | if (n <= 0) { | | 7 | System.out.println(n+2); | | 8 | } | | 9 | else{ | | 10 | metA(n - 3); | | 11 | System.out.println(n+3); | | 12 | metA(n - 2); | | 13 | } | | 14 | } | | 15 | } | | | **Output** | | --- | |  | |  | |  | |  | |  | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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