

3. Show the stack trace on applying your algorithm (in 1) the following array (10pts)

77| 8| 3| 9| 2| 7| 1

```
Push BinaryMax(arr,0,7)
  Push BinaryMax(arr, 0,3)
    Push BinaryMax(arr,0,1)
    Pop 77
    Push BinaryMax(arr,1,2)
      Push BinaryMax(arr,1,1)
      Pop 8
      Push BinaryMax(arr,2,1)
      Pop 3
    Pop 3
  Pop 77
  Push BinaryMax(arr,3,4)
    Push BinaryMax(arr,3,2)
      Push BinaryMax(arr, 3,1)
      Pop 9
      Push BinaryMax(arr,4,1)
      Pop 2
    Pop 9
    Push BinaryMax(5,2)
      Push BinaryMax(arr,5,1)
      Pop 7
      Push BinaryMax(arr, 6,1)
      Pop1
    Pop 7
  Pop 9
Pop 77
```