

## Reverse Array

The following code reverses an array a of size n.  
Package it as a method in JJ, with parameters passed properly.  
Write this packaged method in Java.

```
-- Does Reverse array
Boxes i, j, n, temp ofType int
Box a ofType int[]
Set n = 5
NewArray a ofType int[n]
-- Set array values

Set i = 0
Repeat
ExitOn (i == n/2)
  Set j = n - i - 1
-- Does swap
  Set temp = a[i]
  Set a[i] = a[j]
  Set a[j] = temp
  Inc i by 1
EndRepeat

Routine reverse (a,n)
Slot a ofType int[]
Slot n ofType int
-- Does reverse array
Boxes i,j, temp ofTypeint

Set i = 0
Repeat
ExitOn (i == n/2)
  Set j = n - i - 1
-- Does swap
  Set temp = a[i]
  Set a[i] = a[j]
  Set a[j] = temp
  Inc i by 1
EndRepeat
EndRoutine reverse
```

```
public static void reverse (int a[]) {
    int n = a.length();
    // Does reverse array
    int j, temp;
    for (int i = 0; i < n / 2; i++) {
        j = n - i - 1;
        // Does do swap
        temp = a[i]
        a[i] = a[j]
        a[j] = temp
    }//EndFor
} //EndRoutine reverse
```