Here are the Java solutions for your DSA assignment, including example inputs and their corresponding outputs:

```
1. Reverse an Array using Stack
```

```
import java.util.Stack;
public class ReverseArrayUsingStack {
  public static void main(String[] args) {
     int[] arr = {1, 2, 3, 4, 5};
     Stack<Integer> stack = new Stack<>();
     // Push elements into the stack
     for (int num : arr) {
       stack.push(num);
     }
     // Pop elements back into the array
     for (int i = 0; i < arr.length; i++) {
       arr[i] = stack.pop();
     }
     // Output
     System.out.print("Reversed array: ");
     for (int num : arr) {
       System.out.print(num + " ");
  }
}
```

Output:

Reversed array: 5 4 3 2 1