

## **Data Structure and Algorithm Practicals**

### 2. STACK implementation using Array with PUSH, POP operations

```
let stack = [];  
  
stack.push(1);  
console.log(stack); // [1]  
  
stack.push(2);  
console.log(stack); // [1,2]  
  
stack.push(3);  
console.log(stack); // [1,2,3]  
  
stack.push(4);  
console.log(stack); // [1,2,3,4]  
  
stack.push(5);  
console.log(stack); // [1,2,3,4,5]  
  
console.log(stack.pop()); // 5  
console.log(stack); // [1,2,3,4];  
  
console.log(stack.pop()); // 4  
console.log(stack); // [1,2,3];  
  
console.log(stack.pop()); // 3  
console.log(stack); // [1,2];  
  
console.log(stack.pop()); // 2  
console.log(stack); // [1];  
  
console.log(stack.pop()); // 1  
console.log(stack); // []; -> empty  
  
console.log(stack.pop()); // undefined
```