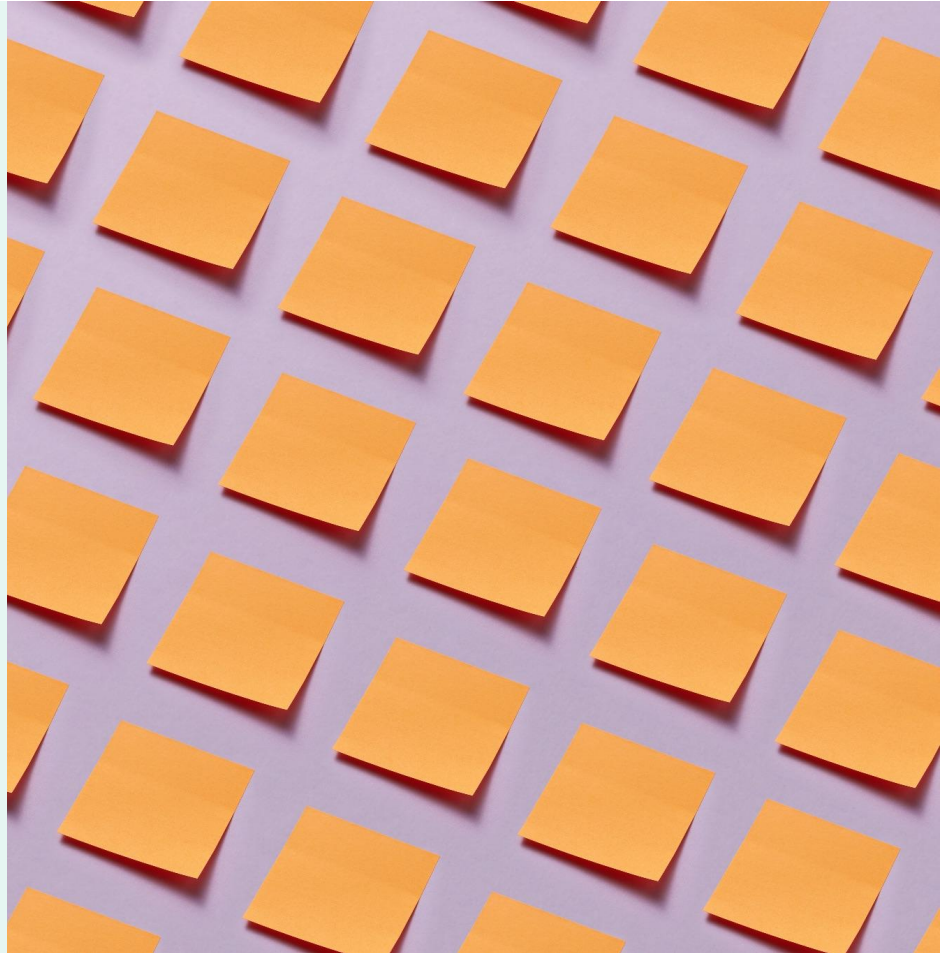


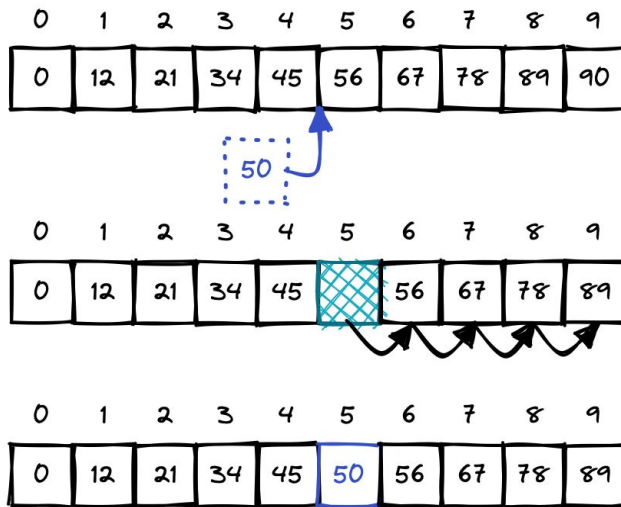
Mutating Arrays

By Pranjal Nadhani

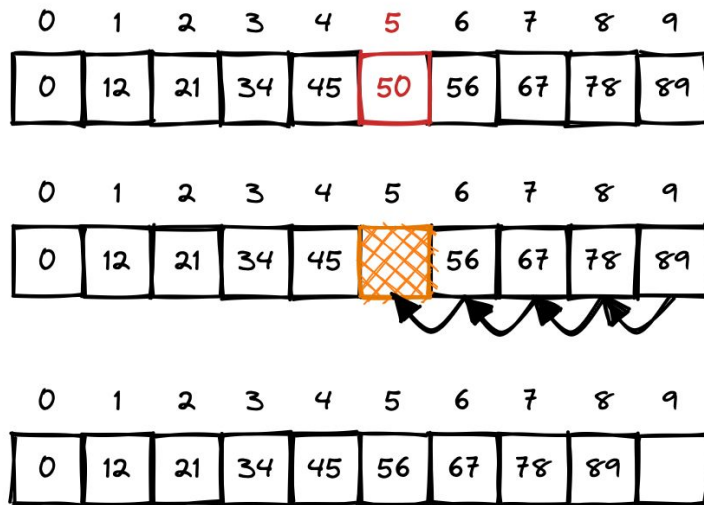


Insertion

```
function insertItemAtIndex(A, index, data) {  
  let i = A.length - 1;  
  while (i > index) {  
    A[i] = A[i - 1];  
    i--;  
  }  
  A[i] = data;  
}
```



```
function deleteItemAtIndex(A, index) {  
  for (let i = index; i < A.length - 1; i++) {  
    A[i] = A[i + 1];  
  }  
}
```



0	1	2	3	4	5	6	7	8	9
0	12	21	34	45	56	67	78	89	90

50

```
function updateItemAtIndex(A, index, data) {  
  A[index] = data;  
}
```

0	1	2	3	4	5	6	7	8	9
0	12	21	34	45	50	67	78	89	90

Swap

```
function swapItems(A, sourceIndex, destinationIndex) {  
  let temp = A[destinationIndex];  
  A[destinationIndex] = A[sourceIndex];  
  A[sourceIndex] = temp;  
}
```

