

## Removing Consecutive Duplicate Characters in Strings

```
let str = 'aabb'
let str1 = 'aaabb'
let str2 = 'aabaa'

//Iterative
function removeConsecutive(str){
  let i = 0
  while(i < str.length-1){
    if(str[i] === str[i+1]){
      str = str.substring(0, i) + str.substring(i + 1)
      i=0
    }else{
      i++
    }
  }
  return str;
}

//Recurssive
function removeConsecutiveRecursive(str,i = 0){
  if(i === str.length -1){
    return str
  }
  if(str[i] === str[i+1]){
    return removeConsecutiveRecursive(str.substring(0, i) + str.substring(i + 1), 0)
  }
  return removeConsecutiveRecursive(str, i + 1);
}

console.log(removeConsecutive(str))
console.log(removeConsecutive(str1))
console.log(removeConsecutive(str2))

console.log(removeConsecutiveRecursive(str))
console.log(removeConsecutiveRecursive(str1))
console.log(removeConsecutiveRecursive(str2))
```