

Extra Class

No.1

```
soal-1.js
1  function isPalindrome(param) {
2      // Mengubah string menjadi huruf kecil, menghapus spasi, memisahkan menjadi array per karakter, lalu membalik urutan karakter.
3      const reverseText = param.toLowerCase().replace(/\s+/g, '').split('').reverse();
4      //console.log(reverseText)
5
6      // Bandingkan string asli dengan versi terbalikny
7      let length = reverseText.length;
8      //console.log(length)
9      for (let i = 0; i < length / 2; i++) {
10         if (reverseText[i] !== reverseText[length - 1 - i]) {
11             return false;
12         } else {
13             return true;
14         }
15     }
16 }
17
18 console.log(isPalindrome("Kasur rusak"));
19 //contoh lain
20 console.log(isPalindrome("malam"));
21 console.log(isPalindrome("katak"));
```

TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE

[Running] node "d:\Code\Dibimbing\Assignment\ExtraClass\soal-1.js"

```
true
true
true
```

[Done] exited with code=0 in 0.37 seconds

No.2

```
soal-2.js
Codeium: Refactor | Explain | Generate JSDoc | x

1 function camelCase(s) {
2   let count = 1 // ini nilai awal
3
4   for (let i = 0; i < s.length; i++) {
5     //jika huruf kapital ditambah 1
6     if (s[i] === s[i].toUpperCase()) { // jika dipakai toLowerCase cuma mengitung huruf kecil aja
7       count++
8     }
9   }
10  return count
11 }
12
13 console.log(camelCase("saveChangesInTheEditor"))
14 console.log(camelCase("oneTwoThree"))
15
```

TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE

[Running] node "d:\Code\Dibimbing\Assignment\ExtraClass\soal-2.js"

5
3

[Done] exited with code=0 in 0.259 seconds

Ln 1, Col 3 Spaces: 4 UTF-8 CRLF Babel JavaScript Go Live Codeium: {} Prettier

No.3

```
soal-3.js
1  function alternatingCharacters(s) {
2      let deletions = 0;
3
4      for (let i = 1; i < s.length; i++) {
5          // ini untuk mengecek jika karakter sebelumnya sama dengan karakter index sekarang jadi tambah 1
6          if (s[i] === s[i - 1]) {
7              deletions++;
8          }
9      }
10     return deletions;
11 }
12
13 console.log(alternatingCharacters('AABAAB'));
14 // Ini sample di soal
15 console.log(alternatingCharacters('AAAA'));
16 console.log(alternatingCharacters('BBBBB'));
17 console.log(alternatingCharacters('ABABABAB'));
18 console.log(alternatingCharacters('BABABA'));
19 console.log(alternatingCharacters('AAABBB'));
20
```

TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE

[Running] node "d:\Code\Dibimbing\Assignment\ExtraClass\soal-3.js"

```
2
3
4
0
0
4
```