

1.

```
08_JavascriptRefreshment > index.js > ...
1  van a = 5
2  let b = "kampus merdeka"
3  const nama = "budi"
4  let terdaftar = true // untuk menampilkan budi 17 value (false tersebut akan diubah ke true agar dapat ditampilkan)
5  let lengkap_arr = [a, b, nama, terdaftar]
6
7  function perkenalan() {
8    let asal = "Indonesia"
9    return console.log(
10      "perkenalkan nama saya " + nama + " nomor urut " +
11      a + " sekarang sedang mengikuti " +
12      b + " berasal dari " + asal
13    )
14  }
15
16  if (terdaftar === true) {
17    console.log(nama + " terdaftar sebagai kegiatan kampus merdeka")
18  }
19
20  a = b
21  // nama = b variabel nama menggunakan variabel const yang dimana nilai yang sudah di deklarasikan tidak dapat di deklarasikan kembali
22
23  // console.log("asal diakses " + asal) variabel asal sendiri di deklarasikan di dalam scope function yang dimana variabel tersebut hanya dapat diakses di dalam scope function tersebut
24  console.log("array = " + lengkap_arr[2]) // pemanggilan value nama dari array
25  console.log("a adalah = " + a)
26  console.log("b adalah = " + b)
27  perkenalan()
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
bash: cls: command not found
LENOVODESKTOP-GA03JGU MINGW64 ~/Documents/Alterra Academy/Git Practice (08_JavascriptRefreshment)
$ cd 08_JavascriptRefreshment
LENOVODESKTOP-GA03JGU MINGW64 ~/Documents/Alterra Academy/Git Practice/08_JavascriptRefreshment (08_JavascriptRefreshment)
$ node index.js
budi terdaftar sebagai kegiatan kampus merdeka
array = budi
a adalah = kampus merdeka
b adalah = kampus merdeka
perkenalkan nama saya budi nomor urut kampus merdeka sekarang sedang mengikuti kampus merdeka berasal dari Indonesia
LENOVODESKTOP-GA03JGU MINGW64 ~/Documents/Alterra Academy/Git Practice/08_JavascriptRefreshment (08_JavascriptRefreshment)
$ cd ..
LENOVODESKTOP-GA03JGU MINGW64 ~/Documents/Alterra Academy/Git Practice (08_JavascriptRefreshment)
$
```

2. A. karena value dari variable terdaftar false, sehingga harus diubah ke true agar dapat ditampilkan.
B. Karena variable nama menggunakan variable constan yang artinya hanya bisa dideklarasikan sekali saja valuenya dan tidak dapat diganti lagi.
C. Tentu saja tidak karena variable asal berada di dalam scope function yang dimana variable tersebut hanya dapat diakses didalam scope function tersebut.

3.

The screenshot shows a Visual Studio Code editor window titled "destructuring.js - Git Practice - Visual Studio Code [Administrator]". The editor displays a file named "destructuring.js" with the following code:

```
1 // destructuring.js
2 const foo = ['Budi', 'Sita', 'Ayu']
3
4 const [a, b, c] = foo
5
6 console.log(a)
7 console.log(b)
8 console.log(c)
```

The terminal output shows the execution of the script:

```
LENOVODESKTOP-GA0336U MINGW64 ~/Documents/Alterra Academy/Git Practice/08_JavascriptRefreshment (08_JavascriptRefreshment)
$ cd ..
LENOVODESKTOP-GA0336U MINGW64 ~/Documents/Alterra Academy/Git Practice (08_JavascriptRefreshment)
$ cd 08_JavascriptRefreshment
LENOVODESKTOP-GA0336U MINGW64 ~/Documents/Alterra Academy/Git Practice/08_JavascriptRefreshment (08_JavascriptRefreshment)
$ node destructuring.js
Budi
Sita
Ayu
```

4.

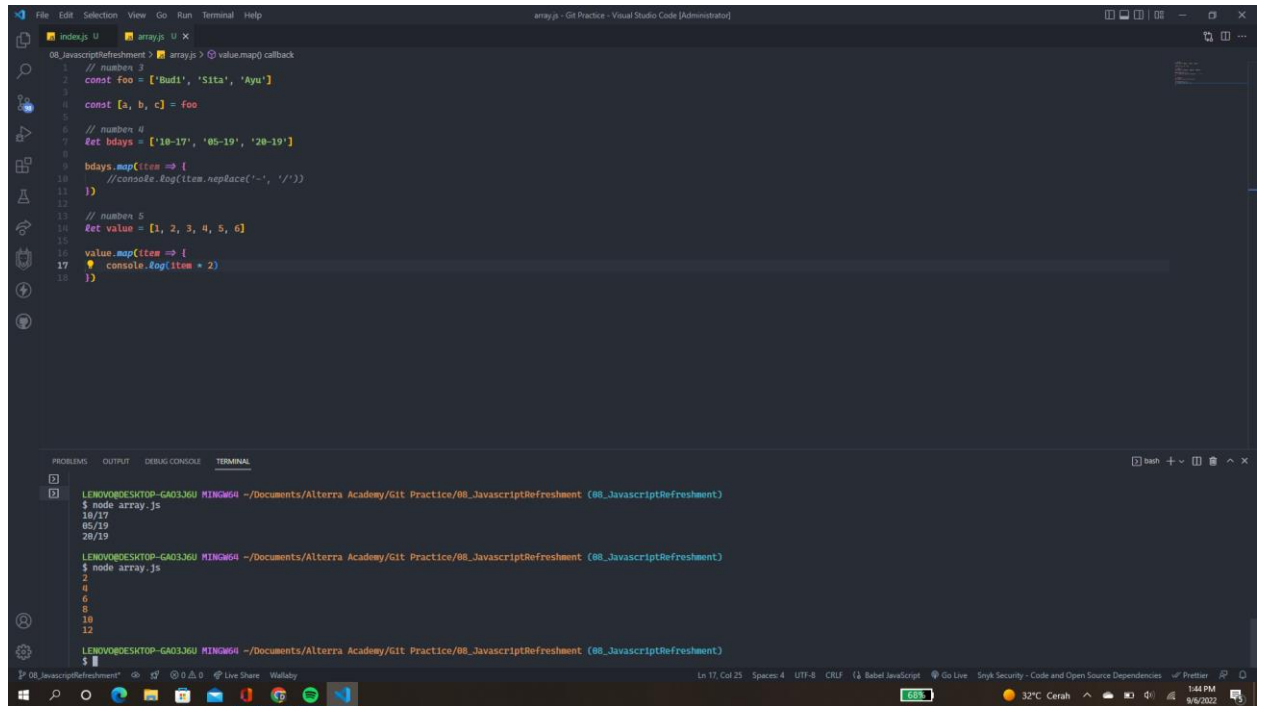
The screenshot shows a Visual Studio Code editor window titled "array.js - Git Practice - Visual Studio Code [Administrator]". The editor displays a file named "array.js" with the following code:

```
1 // array.js
2 const foo = ['Budi', 'Sita', 'Ayu']
3
4 const [a, b, c] = foo
5
6 // number 11
7 let bdays = ['18-17', '05-19', '20-19']
8
9 bdays.map(item => {
10   console.log(item.replace('-', '/'))
11 })
12
13 // number 5
14 let value = [1, 2, 3, 4, 5, 6]
15
16 value.map(item => {
17   // console.log(item + 2)
18 })
19
20 // number 6
21 let arr = [1.5, 2.56, 5.1, 12.33]
22
23 arr.map(item => {
24   // console.log(Math.round(item))
25 })
```

The terminal output shows the execution of the script:

```
LENOVODESKTOP-GA0336U MINGW64 ~/Documents/Alterra Academy/Git Practice/08_JavascriptRefreshment (08_JavascriptRefreshment)
$ node array.js
2
3
5
12
LENOVODESKTOP-GA0336U MINGW64 ~/Documents/Alterra Academy/Git Practice/08_JavascriptRefreshment (08_JavascriptRefreshment)
$ node array.js
18/17
05/19
20/19
LENOVODESKTOP-GA0336U MINGW64 ~/Documents/Alterra Academy/Git Practice/08_JavascriptRefreshment (08_JavascriptRefreshment)
$
```

5.

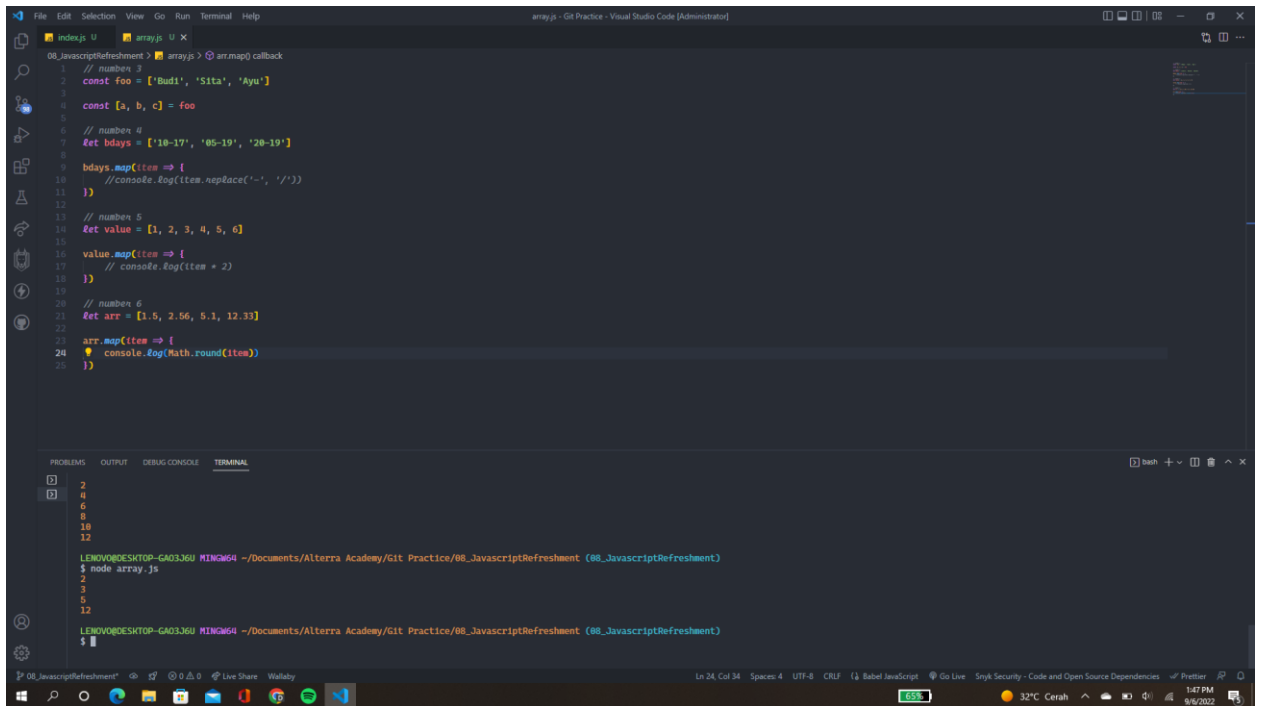


```
File Edit Selection View Go Run Terminal Help
array.js - Git Practice - Visual Studio Code [Administrator]

index.js U array.js U X
08_JavascriptRefreshment > array.js > value.map() callback
1 // number 3
2 const foo = ['Budi', 'Sita', 'Ayu']
3
4 const [a, b, c] = foo
5
6 // number 4
7 let bdays = ['18-17', '05-19', '28-19']
8
9 bdays.map(item => {
10   //console.log(item.replace('-', '/'))
11 })
12
13 // number 5
14 let value = [1, 2, 3, 4, 5, 6]
15
16 value.map(item => {
17   console.log(item * 2)
18 })
19
20
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
LENOVODESKTOP-GA0336U MINGW64 ~/Documents/Alterra Academy/Git Practice/08_JavascriptRefreshment (08_JavascriptRefreshment)
$ node array.js
18/17
05/19
28/19
$
LENOVODESKTOP-GA0336U MINGW64 ~/Documents/Alterra Academy/Git Practice/08_JavascriptRefreshment (08_JavascriptRefreshment)
$ node array.js
2
4
6
8
10
12
$
LENOVODESKTOP-GA0336U MINGW64 ~/Documents/Alterra Academy/Git Practice/08_JavascriptRefreshment (08_JavascriptRefreshment)
$
```

6.



```
File Edit Selection View Go Run Terminal Help
array.js - Git Practice - Visual Studio Code [Administrator]

index.js U array.js U X
08_JavascriptRefreshment > array.js > arr.map() callback
1 // number 3
2 const foo = ['Budi', 'Sita', 'Ayu']
3
4 const [a, b, c] = foo
5
6 // number 4
7 let bdays = ['18-17', '05-19', '28-19']
8
9 bdays.map(item => {
10   //console.log(item.replace('-', '/'))
11 })
12
13 // number 5
14 let value = [1, 2, 3, 4, 5, 6]
15
16 value.map(item => {
17   // console.log(item * 2)
18 })
19
20 // number 6
21 let arr = [1.5, 2.56, 5.1, 12.33]
22
23 arr.map(item => {
24   console.log(Math.round(item))
25 })
26
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
2
4
6
8
10
12
LENOVODESKTOP-GA0336U MINGW64 ~/Documents/Alterra Academy/Git Practice/08_JavascriptRefreshment (08_JavascriptRefreshment)
$ node array.js
2
3
5
12
LENOVODESKTOP-GA0336U MINGW64 ~/Documents/Alterra Academy/Git Practice/08_JavascriptRefreshment (08_JavascriptRefreshment)
$
```