

Coding untuk Assignment day 6:

```
1 const _ = require('lodash'); //import from library lodash
2
3 let users = [
4   {firstName: 'John', lastName: 'Doe', age: 28, gender: 'male'},
5   {firstName: 'Jane', lastName: 'Doe', age: 5, gender: 'female'},
6   {firstName: 'Jim', lastName: 'Carrey', age: 54, gender: 'male'},
7   {firstName: 'Kate', lastName: 'Winslet', age: 40, gender: 'female'},
8 ]
9
10 // Given an array of user perform. Note that each task is a separate problems with lodash:
11 // 1. Show FirstName all of the users
12 // 2. Show user age under 30 and gender is male.
13 // 3. Show user who have first bame that starts with 'j'.
14 // 4. Show user who have last name that starts with 'd'.
15
16 console.log('1. Show FirstName all of the users');
17 console.log(_.map(users, 'firstName'));
18
19 console.log('2. Show user age under 30 and gender is male. ');
20 console.log(_.filter(users, user=>user.age > 30 && user.gender === 'male'));
21
22 console.log('3. Show user who have first name that starts with 'j'.');
23 console.log(_.map(users, ar=>{
24   if(ar.firstName.charAt(0) === 'j'){
25     return ar;
26   }
27   return '';
28 }));
29 console.log('4. Show user who have last name that starts with 'd'.');
30 console.log(_.map(users, ar=>{
31   if(ar.lastName.charAt(0) === 'd'){
32     return ar;
33   }
34   return '';
35 }));
```

```
0\\lodash\\Sonny_FE_Bacth9.js
1. Show FirstName all of the users
[ 'John', 'Jane', 'Jim', 'Kate' ]
2. Show user age under 30 and gender is male.
[ { firstName: 'Jim', lastName: 'Carrey', age: 54, gender: 'male' } ]
3. Show user who have first name that starts with 'j'.
[ { firstName: 'John', lastName: 'Doe', age: 28, gender: 'male' }, { firstName: 'Jane', lastName: 'Doe', age: 5, gender: 'female' }, { firstName: 'Jim', lastName: 'Carrey', age: 54, gender: 'male' }, '' ]
4. Show user who have last name that starts with 'd'.
[ { firstName: 'John', lastName: 'Doe', age: 28, gender: 'male' }, { firstName: 'Jane', lastName: 'Doe', age: 5, gender: 'female' }, '' ]
```

Proses Code

Hasil Output

Coding lanjutan dari atas:

```
29 console.log('4. Show user who have last name that starts with 'd'.');
30 console.log(_.map(users, ar=>{
31   if(ar.lastName.charAt(0) === 'd'){
32     return ar;
33   }
34   return '';
35 }));
```

```
0\\lodash\\Sonny_FE_Bacth9.js
1. Show FirstName all of the users
[ 'John', 'Jane', 'Jim', 'Kate' ]
2. Show user age under 30 and gender is male.
[ { firstName: 'Jim', lastName: 'Carrey', age: 54, gender: 'male' } ]
3. Show user who have first name that starts with 'j'.
[ { firstName: 'John', lastName: 'Doe', age: 28, gender: 'male' }, { firstName: 'Jane', lastName: 'Doe', age: 5, gender: 'female' }, { firstName: 'Jim', lastName: 'Carrey', age: 54, gender: 'male' }, '' ]
4. Show user who have last name that starts with 'd'.
[ { firstName: 'John', lastName: 'Doe', age: 28, gender: 'male' }, { firstName: 'Jane', lastName: 'Doe', age: 5, gender: 'female' }, '' ]
```