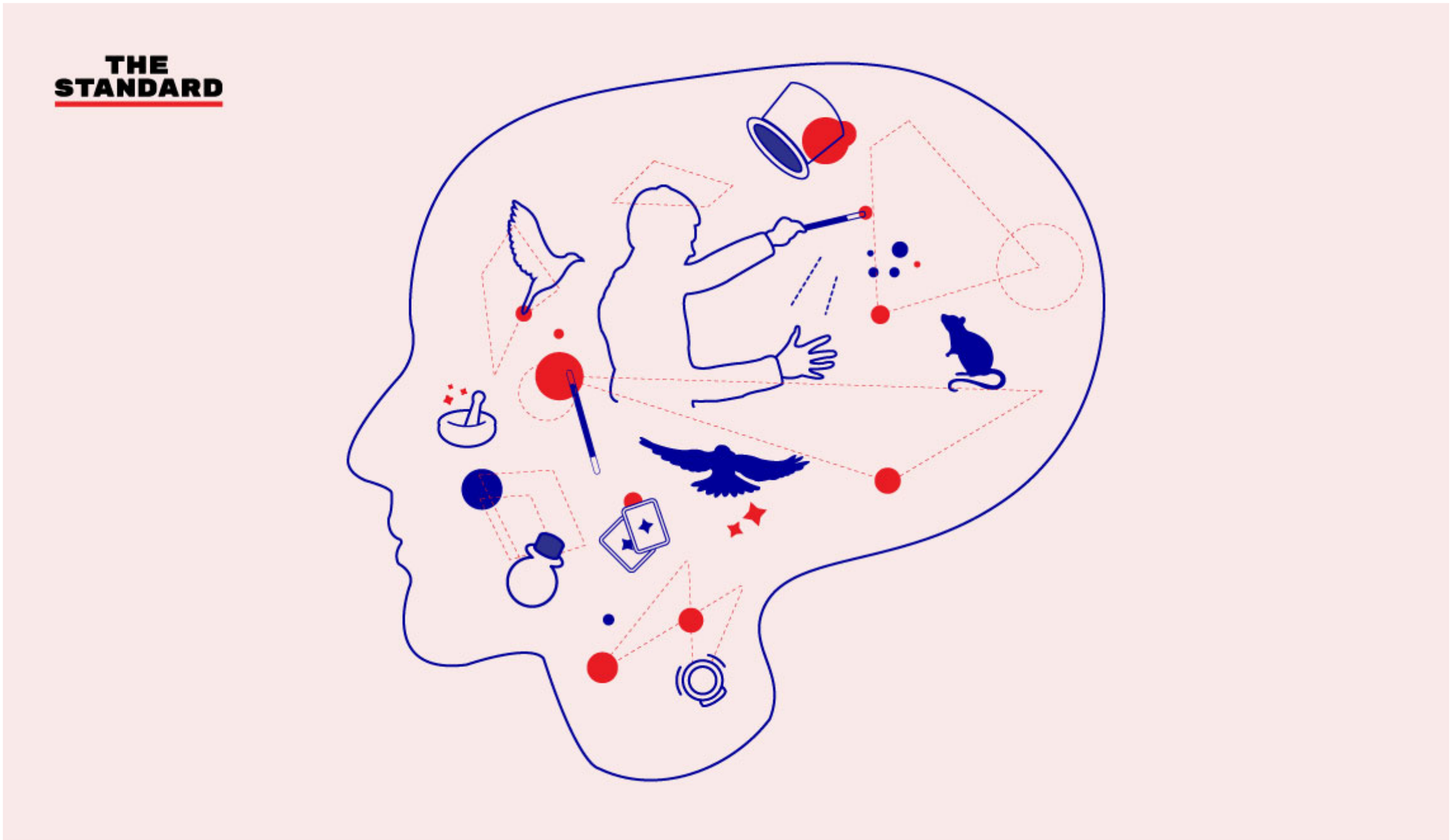
"สวัสดี"



ขอบคุณภาพจาก The Standard

Welcome to testing-angular!

Username Submit

Todo Done

Not Found

Welcome to testing-angular!

Username Submit

User Not Found

Todo Done

Welcome to testing-angular!

Found

Bret Submit

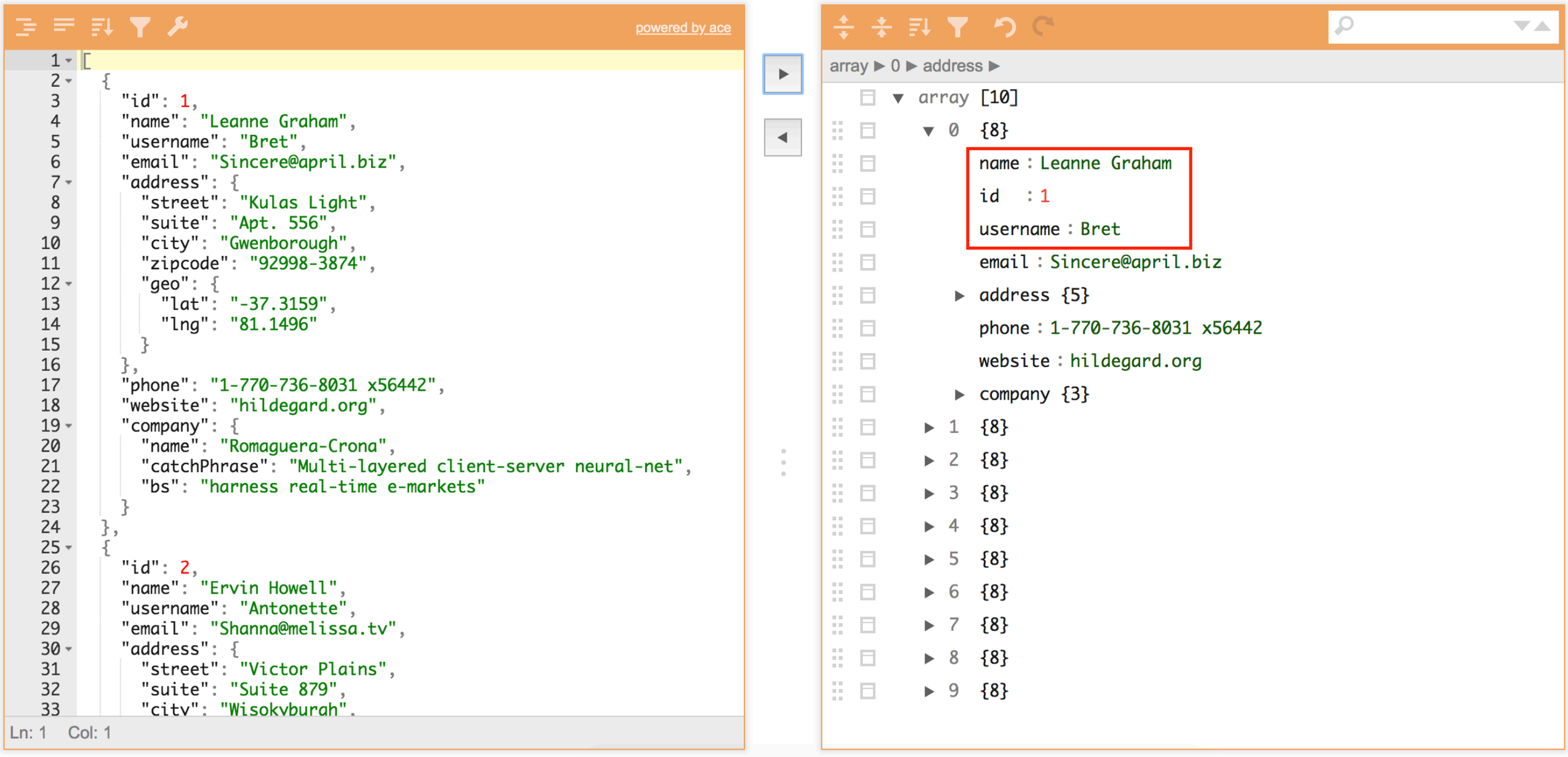
Leanne Graham

Todo	Done
delectus aut autem	et porro tempora
quis ut nam facilis et officia qui	quo adipisci enim quam ut ab
fugiat veniam minus	illo est ratione doloremque quia maiores aut
laboriosam mollitia et enim quasi adipisci quia provident illum	vero rerum temporibus dolor
qui ullam ratione quibusdam voluptatem quia omnis	ipsa repellendus fugit nisi
illo expedita consequatur quia in	repellendus sunt dolores architecto voluptatum
molestiae perspiciatis ipsa	ab voluptatum amet voluptas
et doloremque nulla	accusamus eos facilis sint et aut voluptatem
dolorum est consequatur ea mollitia in culpa	quo laboriosam deleniti aut qui

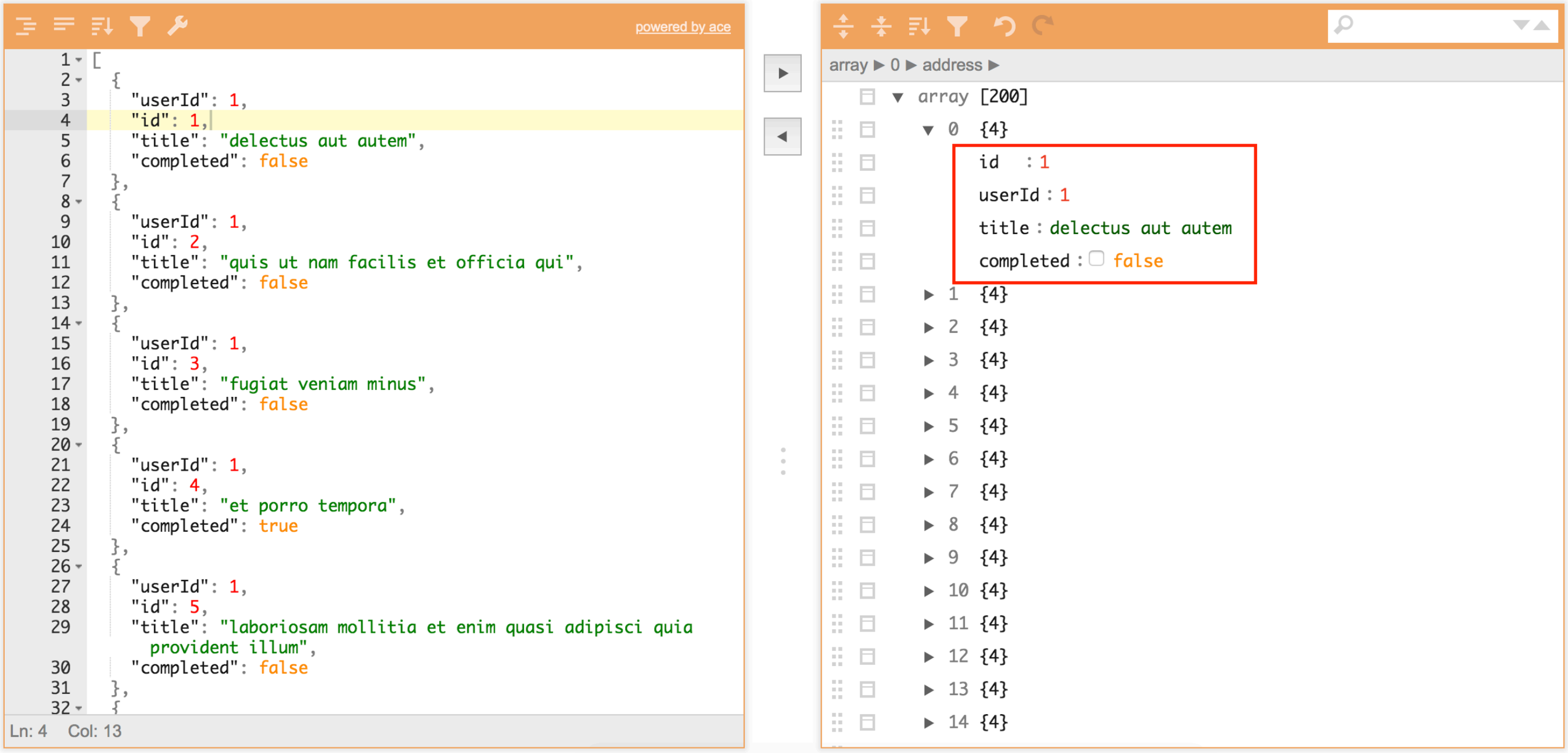
ค้นหา tasks (todo done) ด้วย username

Give	When	Then
Go to main page	Input empty string and click submit button	display “User Not Found”
	Input “Bret” and click submit button	display “Leanne Graham” and task list (todo,doing)

http://jsonplaceholder.typicode.com/users



http://jsonplaceholder.typicode.com/todos



Tasks

- Build form
- Create service getUserByUsername
- Create service getTasksByUserId
- Create service filterTasksByStatus
- Create func onSubmit

All files

95.35% Statements `41/43` **100%** Branches `2/2` **93.75%** Functions `15/16` **94.87%** Lines `37/39`

Press *n* or *j* to go to the next uncovered block, *b*, *p* or *k* for the previous block.

File ▲		Statements		Branches		Functions		Lines	
src		100%	3/3	100%	0/0	100%	0/0	100%	3/3
src/app		93.33%	28/30	100%	2/2	91.67%	11/12	92.59%	25/27
src/app/board-todos		100%	4/4	100%	0/0	100%	2/2	100%	3/3
src/app/model		100%	6/6	100%	0/0	100%	2/2	100%	6/6

All files src/app

93.33% Statements `28/30` **100%** Branches `2/2` **91.67%** Functions `11/12` **92.59%** Lines `25/27`

Press *n* or *j* to go to the next uncovered block, *b*, *p* or *k* for the previous block.

File ▲		Statements		Branches		Functions		Lines	
app.component.ts		100%	21/21	100%	2/2	100%	7/7	100%	20/20
app.service.ts		77.78%	7/9	100%	0/0	80%	4/5	71.43%	5/7

```
37        onSubmit() {
38  3x      this.name = '';
39  3x      this.todoList = [];
40  3x      this.doneList = [];
41  3x      const request: FormSearch = this.form.getRawValue();
42  3x      this.service.getUserByUsername(request.username)
43            .pipe(
44              mergeMap((resp: HttpResponse<User[]>) => {
45  2x            if (resp.body.length === 1) {
46  1x              const user = resp.body[0];
47  1x              this.name = user.name;
48  1x              return this.service.getTasksByUserId(user.id);
49              }
50  1x            this.name = 'User Not Found';
51  1x            return of();
52            })
53          ).subscribe(
54            (resp: HttpResponse<Task[]>) => {
55  1x          const taskList = resp.body;
56  1x          this.todoList = this.service.filterTaskByStatus(taskList, false);
57  1x          this.doneList = this.service.filterTaskByStatus(taskList, true);
58            },
59            (error: HttpErrorResponse) => {
60  1x          alert(error.statusText);
61            },
62            () => { }
63          );
64      }
65
66    }
67
```

All files / src/app app.service.ts

77.78% Statements `7/9` **100%** Branches `0/0` **80%** Functions `4/5` **71.43%** Lines `5/7`

Press *n* or *j* to go to the next uncovered block, *b*, *p* or *k* for the previous block.

```
1    | import { Injectable } from '@angular/core';
2    | import { HttpClient, HttpParams, HttpResponse } from '@angular/common/http';
3    | import { Observable } from 'rxjs';
4    | import { Task } from './model/taks';
5    | import { User } from './model/user';
6    |
7    | @Injectable({
8    |   providedIn: 'root'
9    | })
10   1x export class AppService {
11   |
12   13x   constructor(private httpClient: HttpClient) { }
13   |
14   |   getTasksByUserId(userId: number): Observable<HttpResponse<Task[]>> {
15   2x     const params = new HttpParams().set(`userId`, String(userId));
16   2x     return this.httpClient.get<Task[]>(`http://jsonplaceholder.typicode.com/todos`, { params, observe: `response` });
17   |   }
18   |
19   |   getUserByUsername(username: string): Observable<HttpResponse<User[]>> {
20   |     const params = new HttpParams().set(`username`, username);
21   |     return this.httpClient.get<User[]>(`http://jsonplaceholder.typicode.com/users`, { params, observe: `response` });
22   |   }
23   |
24   |   filterTaskByStatus(taskList: Task[], completed: boolean): Task[] {
25   11x     return taskList.filter((task: Task) => task.completed === completed);
26   |   }
27   | }
28   |
```

Well, goodbye my friend!
STAIRWAY TO HEAVEN
HIGHWAY TO HELL
LED ZEPPELIN
AC/DC

Reference

- https://cli.angular.io/
- http://jsonplaceholder.typicode.com/
- https://jasmine.github.io/
- http://karma-runner.github.io/latest/index.html
- https://github.com/mattlewis92/karma-coverage-istanbul-reporter#readme
- https://thestandard.co/opinion-tomorrow-science-of-superstitious-habits/

Angular Meetup January 2020
Tuesday 21 January 2020 6.00 - 9.00
AIS D.C. @ The Emporium, 5th Floor
Hosted by
Voravit Srikuruwal (Wicky)
FlowAccount
Build Full-Stack Applications with Mono-repo and Serverless
Tanawat Tassana
Hotnow
What is Elm and why it matters?
Satheanpong Jeungudompor
Seen Digital
UX x Front-end (ionic angular)
Kawee Lertrungmongkol
ODDS
มาเขียน unit test กันเถอะ
Somkiat Puisungnoen
Siam Chamnankit
มือใหม่หัดทำให้ angular app เร็วขึ้น