

Tutorial 7 APAP

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Latihan Postman

Postman memiliki fungsi untuk melakukan *testing* pada kode yang telah dibuat, sesuai dengan ekspektasi yang kita harapkan atau tidak.

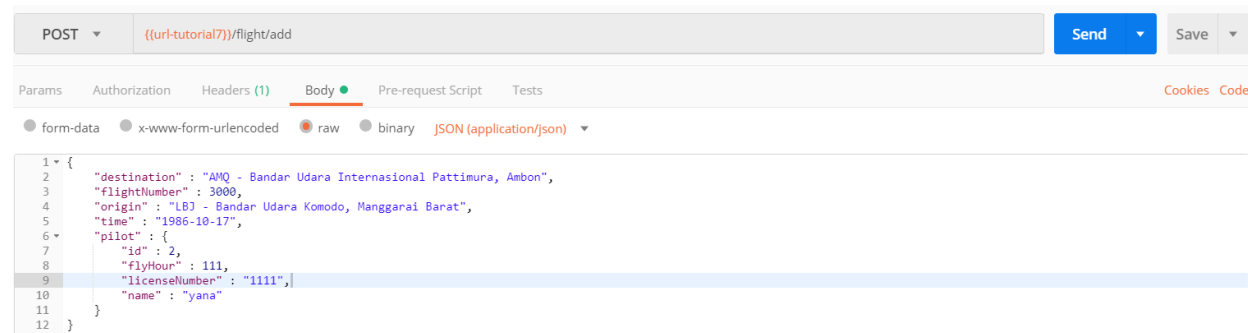
1. Buatlah FlightController menjadi RestController sesuai spesifikasi berikut.

A. Add Flight

Mengubah *Flight Controller* menjadi seperti dibawah

```
public class FlightController {  
    @Autowired  
    private FlightService flightService;  
  
    @PostMapping(value = "/add")  
    public FlightModel addFlightSubmit(@RequestBody FlightModel flight) {  
        return flightService.addFlight(flight);  
    }  
}
```

Kemudian jalankan *test*, lalu isi sesuai ketentuan dari PDF. Kemudian isi Body seperti dibawah



Setelah dijalankan akan muncul *output* seperti diatas



B. Update Flight

Mengubah *Flight Controller* menjadi seperti dibawah

```

@PutMapping(value= "/update/{flightId}")
public String updateFlightSubmit(@PathVariable("flightId") long flightId, @RequestParam("destination") String destination,
    @RequestParam("origin") String origin, @RequestParam("time") Date time) {
    FlightModel flight = flightService.getFlightDetailById(flightId);
    if (flight.equals(null)) {
        return "Couldn't find your flight";
    }
    flight.setDestination(destination);
    flight.setOrigin(origin);
    flight.setTime(time);
    flightService.addFlight(flight);
    return "flight update success";
}

```

Kemudian jalankan *test*, lalu isi sesuai ketentuan dari PDF. Kemudian isi Body seperti dibawah

Update Flight Examples (0)

PUT {{url-tutorial7}}/flight/update/2?destination=BTH - Bandar Udara Hang Nadim, Batam&origin=SUB - Bandar Udara Internasional Juanda, Sidoarjo&time=1... Send Save

Params Authorization Headers Body Pre-request Script Tests Cookies Code

KEY	VALUE	DESCRIPTION	*** Bulk Edit
<input checked="" type="checkbox"/> destination	BTH - Bandar Udara Hang Nadim, Batam		
<input checked="" type="checkbox"/> origin	SUB - Bandar Udara Internasional Juanda, Sidoarjo		
<input checked="" type="checkbox"/> time	1970-03-03		X
Key	Value	Description	

Setelah dijalankan akan muncul *output* seperti diatas

Body Cookies Headers (3) Test Results Status: 200 OK Time: 1187 ms Size: 137 B Save Download

Pretty Raw Preview Auto ≡

✖ 1 flight update success

C. Get Flight

Mengubah *Flight Controller* menjadi seperti dibawah

```

@GetMapping(value= "/view/{flightNumber}")
public FlightModel addFlightSubmit(@PathVariable("flightNumber") String flightNumber) {
    FlightModel flight = flightService.getFlightDetailByFlightNumber(flightNumber).get();
    return flight;
}

```

Kemudian jalankan *test*, lalu isi sesuai ketentuan dari PDF. Kemudian isi Body seperti dibawah

Get Flight Examples (0)

GET {{url-tutorial7}}/flight/view/1239 Send Save

Body Cookies Headers (3) Test Results Status: 200 OK Time: 36 ms Size: 379 B Save Download

Pretty Raw Preview JSON ≡

```

1 {
2   "id": 4,
3   "flightNumber": "1239",
4   "origin": "PNK - Bandar Udara Internasional Supadio, Pontianak",
5   "destination": "AMQ - Bandar Udara Internasional Pattimura, Ambon",
6   "time": "1972-02-22",
7   "pilot": {
8     "id": 1,
9     "licenseNumber": "1234",
10    "name": "Coki",
11    "flyHour": 139
12  }
13 }

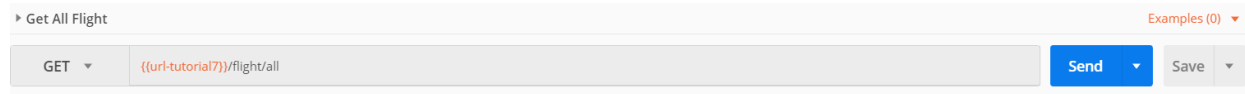
```

D. Get All Flight

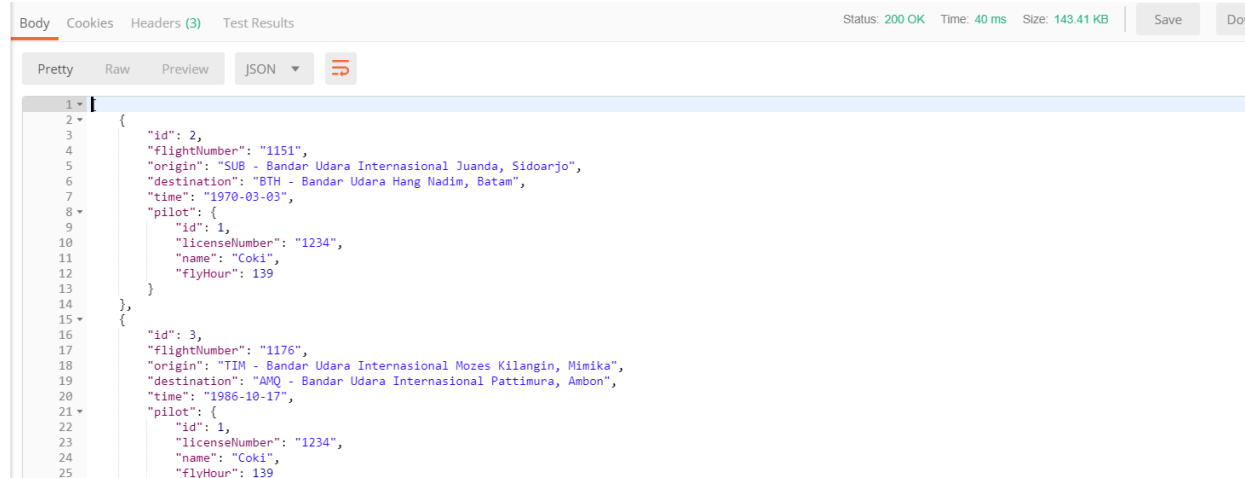
Mengubah *Flight Controller* menjadi seperti dibawah

```
@GetMapping(value= "/all")
public List<FlightModel> allFlightSubmit() {
    return flightService.allFlight();
}
```

Kemudian jalankan *test*, lalu isi sesuai ketentuan dari PDF. Kemudian isi Body seperti dibawah



Setelah dijalankan akan muncul *output* seperti diatas

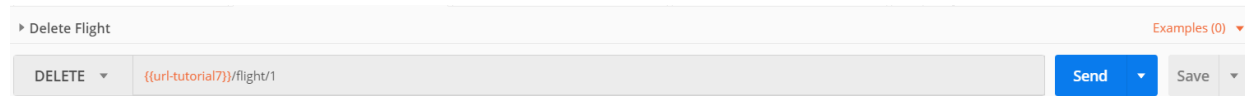


E. Delete Flight

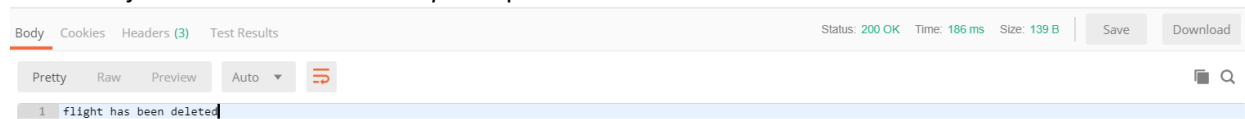
Mengubah *Flight Controller* menjadi seperti dibawah

```
@DeleteMapping(value=("/{flightId}")
public String deletePilot(@PathVariable("flightId") long flightId) {
    FlightModel flight = flightService.getFlightDetailById(flightId);
    flightService.deleteFlight(flight);
    return "flight has been deleted";
}
```

Kemudian jalankan *test*, lalu isi sesuai ketentuan dari PDF. Kemudian isi Body seperti dibawah



Setelah dijalankan akan muncul *output* seperti diatas



- Untuk nomor 2 ini kita perlu menampilkan nama *airport* dari kota yang dipilih. Berikut adalah gambar langkah mulai dari penyesuaian *setting*, penambahan *airport controller* dan *testing*

```

package com.apap.tutorial7.rest;

public class Setting {
    final public static String pilotUrl = "https://b379dde2-8be5-40da-8a2b-969b23154747.mock.pstmn.io";
    final public static String airportUrl = "https://api.sandbox.amadeus.com/v1.2/airports/autocomplete?apikey=jdwuYTZFsisoAX8PYt9oDcTsbguLgjhSB&term=";
}

```

```

1 package com.apap.tutorial7.controller;
2
3 import org.springframework.beans.factory.annotation.Autowired;
4 import org.springframework.context.annotation.Bean;
5 import org.springframework.web.bind.annotation.GetMapping;
6 import org.springframework.web.bind.annotation.PathVariable;
7 import org.springframework.web.bind.annotation.RequestMapping;
8 import org.springframework.web.bind.annotation.RestController;
9 import org.springframework.web.client.RestTemplate;
10
11 import com.apap.tutorial7.rest.Setting;
12
13 @RestController
14 @RequestMapping("/airport")
15 public class AirportController {
16
17     @Autowired
18     RestTemplate restTemplate;
19
20     @Bean
21     public RestTemplate restAirport() {
22         return new RestTemplate();
23     }
24
25     @GetMapping(value = "/{city}")
26     public String getAirport(@PathVariable("city") String city) {
27         String path = Setting.airportUrl + city + "&country=ID&all_airports=true";
28         return restTemplate.getForEntity(path, String.class).getBody();
29     }
30 }

```

POST Add Flight DEL Delete Flight PUT Update Flight GET {{url-tutorial7}}/airport/banjarmasin + ... APAP

{{url-tutorial7}}/airport/banjarmasin

GET {{url-tutorial7}}/airport/banjarmasin Send Save

Params Authorization Headers Body Pre-request Script Tests Cookies Code

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (3) Test Results Status: 200 OK Time: 1070 ms Size: 218 B Download

Pretty Raw Preview Auto ↻

```

1 {
2   "value": "BDJ",
3   "label": "Banjarmasin - Syamsudin Noor Airport [BDJ]"
4 }
5

```