

## TUTORIAL 3 APAP

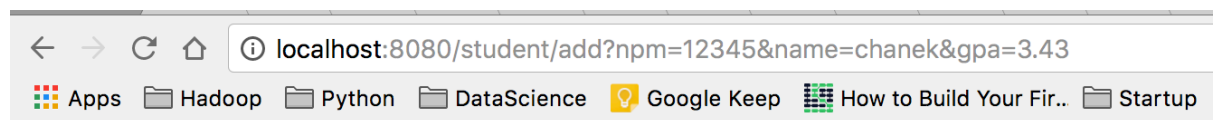
Ramadhana Ibnu Akbar  
1606954975 - EXT

### 1. Ringkasan

Tutorial 3 belajar bagaimana menggunakan model dan service untuk menyimpan, membaca dan menghapus data.

### 2. Membuat Controller dan Fungsi Add

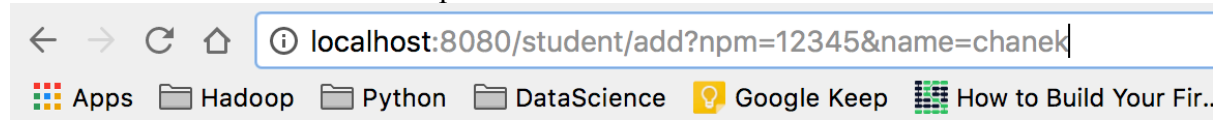
- a. `localhost:8080/student/add?npm=12345&name=chanek&gpa=3.43`



## Data successfully inserted

Data berhasil ditambahkan, karenan semua parameter sudah diisi.

- b. `localhost:8080/student/add?npm=12345&name=chanek`



## Whitelabel Error Page

This application has no explicit mapping for `/error`, so you are seeing this as a fallback.

Tue Feb 27 20:11:51 WIB 2018

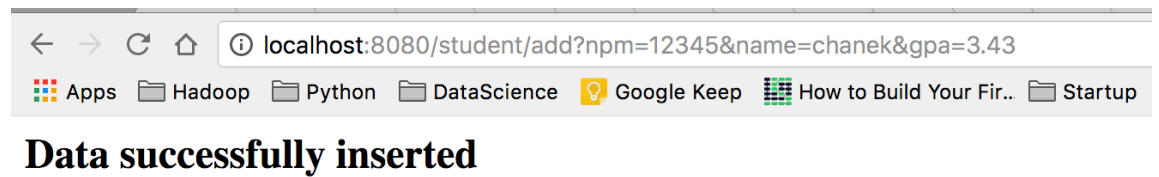
There was an unexpected error (type=Bad Request, status=400).

Required double parameter 'gpa' is not present

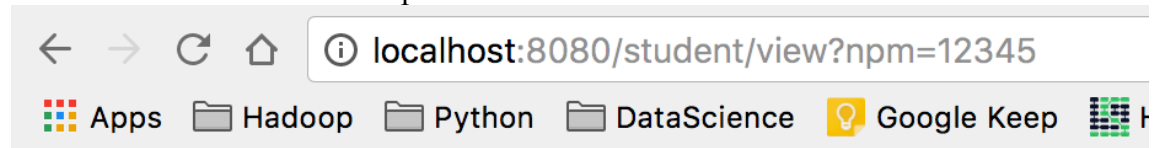
Error karena parameter GPA tidak boleh kosong.

### 3. Method View by NPM

- a. localhost:8080/student/add?npm=12345&name=chanek&gpa=3.43



localhost:8080/student/view?npm=12345



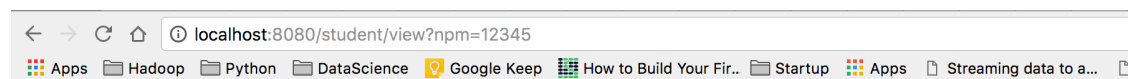
**NPM = 12345**

**Name = chanek**

**GPA = 3.43**

Data Student muncul karena sebelumnya sudah di Add.

- b. localhost:8080/student/view?npm=12345



### Whitelabel Error Page

This application has no explicit mapping for /error, so you are seeing this as a fallback.

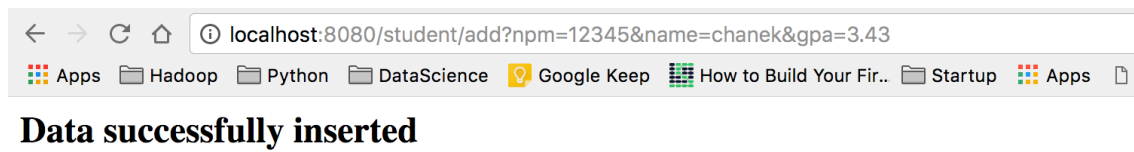
Sat Mar 03 17:21:11 WIB 2018

There was an unexpected error (type=Internal Server Error, status=500).

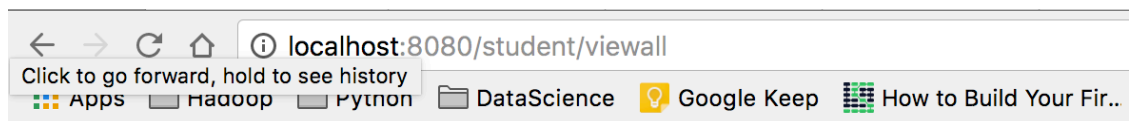
Ambiguous handler methods mapped for HTTP path 'http://localhost:8080/student/view': {public java.lang.String com.example.tutorial3.c.com.example.tutorial3.controller.StudentController.view(java.util.Optional,org.springframework.ui.Model)}

Error karena data belum di Add

- 4. Method View All
  - a. Tambah data



Menampilkan data



**No. 1**

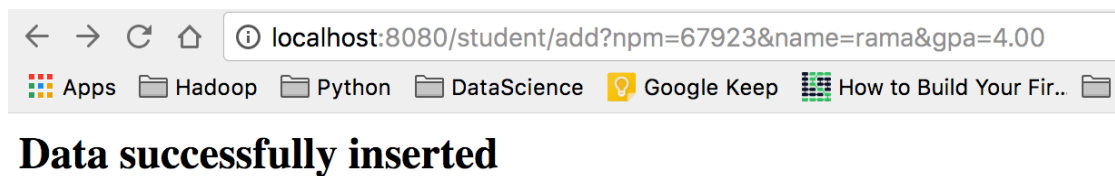
**NPM = 12345**

**Name = chanek**

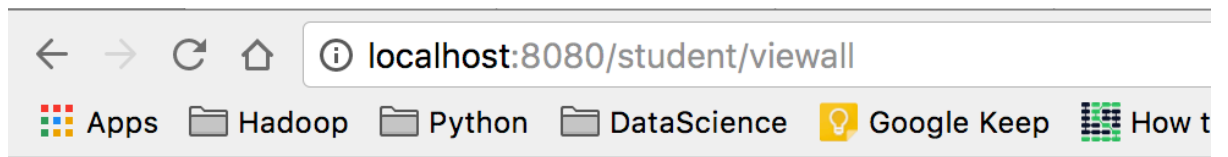
**GPA = 3.43**

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Tambah data baru



Menampilkan data baru



**No. 1**

**NPM = 12345**

**Name = chanek**

**GPA = 3.43**

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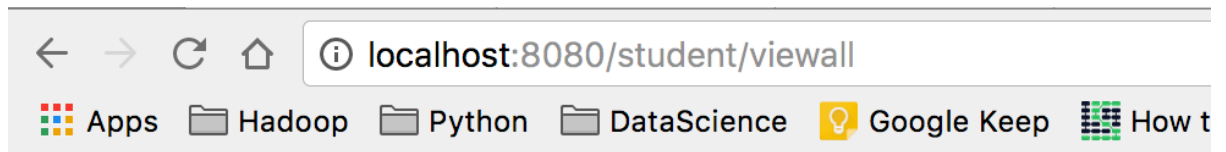
**No. 2**

**NPM = 67923**

**Name = rama**

**GPA = 4.0**

---



**No. 1**

**NPM = 12345**

**Name = chaneK**

**GPA = 3.43**

---

**No. 2**

**NPM = 67923**

**Name = rama**

**GPA = 4.0**

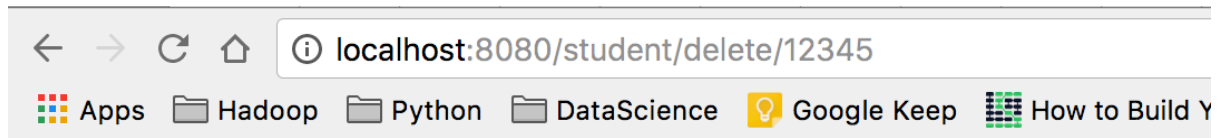
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#### 5. Method selectStudent

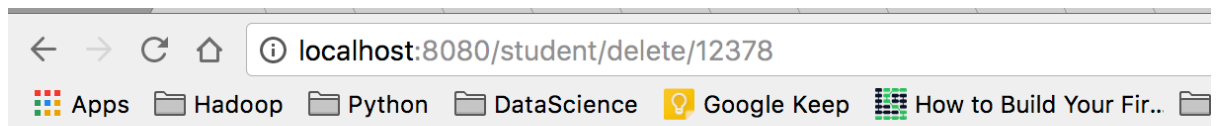
```
public class InMemoryStudentService implements StudentService {  
    private static List<StudentModel> studentList = new ArrayList<StudentModel>();  
  
    @Override  
    public StudentModel selectStudent(String npm) {  
        for(StudentModel i : studentList) {  
            if(i.getNpm().equals(npm)) {  
                return i;  
            }  
        }  
        return null;  
    }  
}
```

## 6. Fitur Delete

Pada fitur delete di implementasikan dengan menambah method delete dan method deleteStudent pada class InMemoryStudent sebagai method untuk menghapus student. Untuk view, menambahkan 2 view yaitu delete.html jika NPM berhasil di delete dan deleteerror.html jika npm tidak ada.



**NPM 12345 successfully deleted**



**NPM tidak ditemukan**