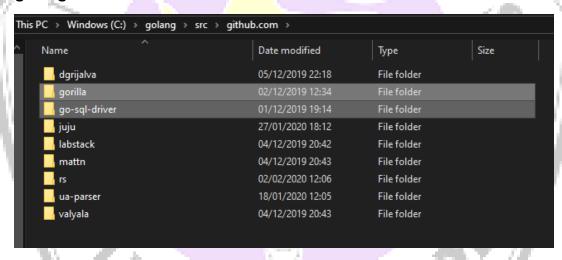
- 1. Apa yang dimaksud dengan crud? (10 poin)
- 2. Sebutkan struktur crud pada Go Language! (10 poin)
- 3. Membuat dan menginput data pada table database! (20 poin)

id	npm	nama	kelas	profile
1	51416277	Azman Agung Nugraha	4IA17	gambar1.jpg
2	15117348	Rizky Imam Nugroho	3KA01	gambar1.jpg
3	52417067	Fahmi Ardhiansyah	3IA03	gambar1.jpg

4. Buatlah output seperti gambar dibawah! (60 poin)

Langkah 1

Persiapkan folder project dan import paket go-sql-driver dan gorilla pada folder golang/src/github.com



Setelah itu buat database mysql, kalian dapat menggunakan mysql shell atau akses ke phpmyadmin.com untuk membuat database, berikut adalah querynya:

```
CREATE TABLE `mahasiswa` (
  `id` int(6) unsigned NOT NULL AUTO_INCREMENT,
  `npm` CHAR(8) NOT NULL,
  `nama` VARCHAR(30) NOT NULL,
  `kelas` CHAR(5) NOT NULL,
  `profile` VARCHAR(30) NOT NULL,
  PRIMARY KEY (`id`));
```

Langkah 2

Buatlah struct handler dan handler function pada main.go

```
package main
import (
    "database/sql"
    "encoding/json"
    "fmt"
   "log"
    "mime"
    "net/http"
    "os"
    "path/filepath"
    "time"
     "github.com/go-sql-driver/mysql"
    "github.com/gorilla/mux"
type spaHandler struct {
    staticPath string
    indexPath string
type Mahasiswa struct {
   Id int `json:"id"`
   Npm string `json:"npm"`
   Nama string `json:"nama"`
   Kelas string `json:"kelas"`
   Profile string `json:"profile"`
type ResponseAllData struct {
                     `json:"status"`
    Status bool
   Data []Mahasiswa `json:"data"`
type ResponseData struct {
    Status bool `json:"status"`
          Mahasiswa `json:"data"`
   Data
```

```
type ResponseMessage struct {
    Status bool `json:"status"`
   Message string `json:"message"`
type ResponseError struct {
   Error string `json:"error"`
func dbConn() (db *sql.DB) {
   dbDriver := "mysql"
   dbName := "nama npm"
   dbUser := "CPC[X]"
   dbPass := "lepkom@123"
   db, err := sql.Open(dbDriver, dbUser+":"+dbPass+"@tcp(dbms.lepkom.f4.com)/"+d
bName)
   if err != nil {
       panic(err.Error())
   return db
func getAllMahasiswa(w http.ResponseWriter, r *http.Request) {
   w.Header().Set("Content-type", "application/json")
   var response ResponseAllData
   var mahasiswa Mahasiswa
   var mhs []Mahasiswa
   db := dbConn()
   rows, err := db.Query("SELECT * FROM mahasiswa")
   defer db.Close()
   if err != nil {
       log.Print(err.Error())
    for rows.Next() {
       err := rows.Scan(&mahasiswa.Id, &mahasiswa.Npm, &mahasiswa.Nama, &mahasis
wa.Kelas, &mahasiswa.Profile)
       if err != nil {
```

```
log.Print(err.Error())
        } else {
            mhs = append(mhs, mahasiswa)
    response.Status = true
    response.Data = mhs
    json.NewEncoder(w).Encode(response)
    return
func getMahasiswa(w http.ResponseWriter, r *http.Request) {
    w.Header().Set("Content-type", "application/json")
    var response ResponseData
    var responseErr ResponseError
    var mahasiswa Mahasiswa
    db := dbConn()
    defer db.Close()
    params := mux.Vars(r)
    rows := db.QueryRow("SELECT * FROM mahasiswa WHERE id=?", params["id"])
    err := rows.Scan(&mahasiswa.Id, &mahasiswa.Npm, &mahasiswa.Nama, &mahasiswa.K
elas, &mahasiswa.Profile)
    if err != nil && err == sql.ErrNoRows {
        responseErr.Status = false
        responseErr.Error = "Mahasiswa tidak ditemukan"
        w.WriteHeader(http.StatusNotFound)
        json.NewEncoder(w).Encode(responseErr)
        return
    response.Status = true
    response.Data = mahasiswa
    json.NewEncoder(w).Encode(response)
    return
func getMahasiswaByName(w http.ResponseWriter, r *http.Request) {
```

```
w.Header().Set("Content-type", "application/json")
   var mahasiswa Mahasiswa
   var mhs []Mahasiswa
   var response ResponseAllData
   db := dbConn()
   defer db.Close()
   params := mux.Vars(r)
    query := fmt.Sprintf("SELECT * FROM mahasiswa WHERE nama LIKE '%s%%'", params
["keyword"])
   rows, err := db.Query(query)
   if err != nil {
        log.Print(err.Error())
    for rows.Next() {
        if err := rows.Scan(&mahasiswa.Id, &mahasiswa.Npm, &mahasiswa.Nama, &maha
siswa.Kelas, &mahasiswa.Profile); err != nil {
            log.Print(err.Error())
        mhs = append(mhs, mahasiswa)
    response.Status = true
    response.Data = mhs
    json.NewEncoder(w).Encode(response)
    return
func createMahasiswa(w http.ResponseWriter, r *http.Request) {
   w.Header().Set("Content-type", "application/json")
   var response ResponseMessage
   db := dbConn()
   defer db.Close()
   err := r.ParseForm()
   if err != nil {
```

```
log.Print(err.Error())
    npm := r.Form.Get("npm")
    nama := r.Form.Get("nama")
    kelas := r.Form.Get("kelas")
    profile := "gambar1.jpg"
    rows, err := db.Prepare("INSERT INTO mahasiswa(npm, nama, kelas, profile) VAL
UES(?, ?, ?, ?)")
    if err != nil {
        log.Print(err.Error())
    rows.Exec(npm, nama, kelas, profile)
    response.Status = true
    response.Message = "Mahasiswa berhasil ditambahkan"
    log.Print(response.Message)
    json.NewEncoder(w).Encode(response)
func updateMahasiswa(w http.ResponseWriter, r *http.Request) {
    w.Header().Set("Content-type", "application/json")
    var response ResponseMessage
    var responseErr ResponseError
    var mahasiswa Mahasiswa
    db := dbConn()
    defer db.Close()
    err := r.ParseForm()
    if err != nil {
        log.Print(err.Error())
    id := r.Form.Get("id")
    npm := r.Form.Get("npm")
    nama := r.Form.Get("nama")
    kelas := r.Form.Get("kelas")
```

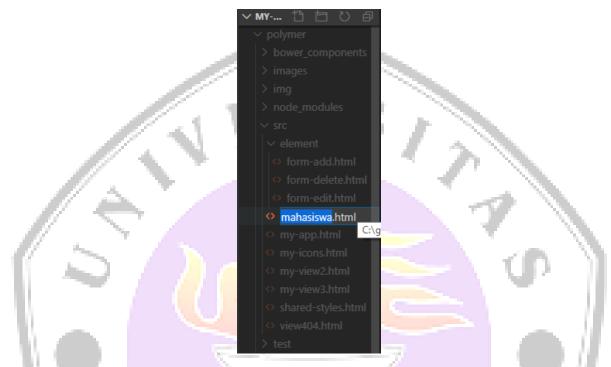
```
rows := db.QueryRow("SELECT id FROM mahasiswa WHERE id=?", id)
    if err := rows.Scan(&mahasiswa.Id); err != nil && err == sql.ErrNoRows {
        responseErr.Status = false
        responseErr.Error = "Mahasiswa tidak ditemukan"
        w.WriteHeader(http.StatusNotFound)
        json.NewEncoder(w).Encode(responseErr)
        return
    update, err := db.Prepare("UPDATE mahasiswa SET npm=?, nama=?, kelas=? WHERE
id=?")
    if err != nil {
       log.Print(err.Error())
    }
    update.Exec(npm, nama, kelas, id)
    response.Status = true
    response.Message = "Data mahasiswa berhasil diubah"
    log.Print(response.Message)
    json.NewEncoder(w).Encode(response)
    return
func deleteMahasiswa(w http.ResponseWriter, r *http.Request) {
   w.Header().Set("Content-type", "application/json")
   var mahasiswa Mahasiswa
   var response ResponseMessage
   var responseErr ResponseError
    db := dbConn()
   defer db.Close()
   params := mux.Vars(r)
    rows := db.QueryRow("SELECT id FROM mahasiswa WHERE id=?", params["id"])
    if err := rows.Scan(&mahasiswa.Id); err != nil && err == sql.ErrNoRows {
        responseErr.Status = false
        responseErr.Error = "Mahasiswa tidak ditemukan"
        w.WriteHeader(http.StatusNotFound)
        json.NewEncoder(w).Encode(responseErr)
        return
```

```
delete, err := db.Prepare("DELETE FROM mahasiswa WHERE id=?")
    if err != nil {
        log.Print(err.Error())
    delete.Exec(params["id"])
    response.Status = true
    response.Message = "Data mahasiswa berhasil dihapus"
    log.Print(response.Message)
    json.NewEncoder(w).Encode(response)
    return
func (h spaHandler) ServeHTTP(w http.ResponseWriter, r *http.Request) {
    path := filepath.Join(h.staticPath, r.URL.Path)
   _, err := os.Stat(path)
   if os.IsNotExist(err) {
        http.ServeFile(w, r, filepath.Join(h.staticPath, h.indexPath))
        return
    } else if err != nil {
        http.Error(w, err.Error(), http.StatusInternalServerError)
        return
    http.FileServer(http.Dir(h.staticPath)).ServeHTTP(w, r)
func main() {
    r := mux.NewRouter().StrictSlash(true)
   mime.AddExtensionType(".js", "application/javascript")
    r.HandleFunc("/api/mahasiswa", getAllMahasiswa).Methods("GET")
    r.HandleFunc("/api/mahasiswa/{id}", getMahasiswa).Methods("GET")
    r.HandleFunc("/api/mahasiswa", createMahasiswa).Methods("POST")
    r.HandleFunc("/api/mahasiswa", updateMahasiswa).Methods("PUT")
    r.HandleFunc("/api/mahasiswa/{id}", deleteMahasiswa).Methods("DELETE")
```



Langkah 3

Masuklah ke dalam folder polymer/src, lalu ubah **my-view1.html** menjadi **mahasiswa.html**



Selanjutnya bukalah file my-app.html, ubahlah scriptnya menjadi seperti di bawah

```
<link rel="import" href="../bower components/polymer/polymer-element.html">
<link rel="import" href="../bower_components/app-layout/app-drawer/app-</pre>
drawer.html">
<link rel="import" href="../bower components/app-layout/app-drawer-layout/app-</pre>
drawer-layout.html">
<link rel="import" href="../bower_components/app-layout/app-header/app-</pre>
header.html">
<link rel="import" href="../bower components/app-layout/app-header-layout/app-</pre>
header-layout.html">
<link rel="import" href="../bower_components/app-layout/app-scroll-effects/app-</pre>
scroll-effects.html">
<link rel="import" href="../bower_components/app-layout/app-toolbar/app-</pre>
toolbar.html">
<link rel="import" href="../bower_components/app-route/app-location.html">
<link rel="import" href="../bower_components/app-route/app-route.html">
<link rel="import" href="../bower components/iron-pages/iron-pages.html">
<link rel="import" href="../bower components/iron-selector/iron-selector.html">
<link rel="import" href="../bower_components/paper-icon-button/paper-icon-</pre>
button.html">
```

```
<link rel="import" href="my-icons.html">
<link rel="lazy-import" href="mahasiswa.html">
<link rel="lazy-import" href="view404.html">
<dom-module id="my-app">
 <template>
   <style>
      :host {
        --app-primary-color: #4285f4;
        --app-secondary-color: black;
       display: block;
      app-drawer-layout:not([narrow]) [drawer-toggle] {
        display: none;
      app-header {
        color: #fff;
        background-color: var(--app-primary-color);
      app-header paper-icon-button {
        --paper-icon-button-ink-color: white;
      .drawer-list {
        margin: 0 20px;
      .drawer-list a {
       display: block;
        padding: 0 16px;
        text-decoration: none;
        color: var(--app-secondary-color);
        line-height: 40px;
      .drawer-list a.iron-selected {
        color: black;
        font-weight: bold;
    </style>
```

```
<app-location route="{{route}}" url-space-regex="^[[rootPath]]">
    </app-location>
route route="{{route}}" pattern="[[rootPath]]:page" data="{{routeData}}" tail="{{
subroute}}">
    </app-route>
    <app-drawer-layout fullbleed narrow="{{narrow}}">
      <!-- Drawer content -->
      <app-drawer id="drawer" slot="drawer" swipe-open="[[narrow]]">
        <app-toolbar>Menu</app-toolbar>
        <iron-selector selected="[[page]]" attr-for-</pre>
selected="name" class="drawer-list" role="navigation">
          <a name="mahasiswa" href="[[rootPath]]mahasiswa">Mahasiswa</a>
          <!-- <a name="view2" href="[[rootPath]]view2">View Two</a>
          <a name="view3" href="[[rootPath]]view3">View Three</a> -->
        </iron-selector>
      </app-drawer>
      <app-header-layout has-scrolling-region>
        <app-header slot="header" condenses reveals effects="waterfall">
          <app-toolbar>
            <paper-icon-button icon="my-icons:menu" drawer-toggle></paper-icon-</pre>
button>
            <div main-title>My App</div>
          </app-toolbar>
        </app-header>
        <iron-pages selected="[[page]]" attr-for-selected="name" fallback-</pre>
selection="view404" role="main">
          <mahasiswa-page name="mahasiswa"></mahasiswa-page>
          <!-- <my-view2 name="view2"></my-view2>
          <my-view3 name="view3"></my-view3> -->
          <my-view404 name="view404"></my-view404>
        </iron-pages>
      </app-header-layout>
    </app-drawer-layout>
  </template>
  <script>
    // Gesture events like tap and track generated from touch will not be
```

```
// preventable, allowing for better scrolling performance.
Polymer.setPassiveTouchGestures(true);
class MyApp extends Polymer.Element {
 static get is() { return 'my-app'; }
 static get properties() {
    return {
     page: {
       type: String,
        reflectToAttribute: true,
        observer: '_pageChanged',
      },
     routeData: Object,
      subroute: Object,
     // This shouldn't be neccessary, but the Analyzer isn't picking up
     // Polymer.Element#rootPath
      rootPath: String,
   };
 static get observers() {
    return [
      ' routePageChanged(routeData.page)',
   ];
 _routePageChanged(page) {
    // If no page was found in the route data, page will be an empty string.
   // Default to 'view1' in that case.
   this.page = page || 'mahasiswa';
   // Close a non-persistent drawer when the page & route are changed.
   if (!this.$.drawer.persistent) {
     this.$.drawer.close();
 _pageChanged(page) {
   // Load page import on demand. Show 404 page if fails
    const resolvedPageUrl = this.resolveUrl(page + '.html');
    Polymer.importHref(
      resolvedPageUrl,
     null,
     this._showPage404.bind(this),
```

```
true);
}

_showPage404() {
    this.page = 'view404';
}

window.customElements.define(MyApp.is, MyApp);
</script>
</dom-module>
```

Buka file mahasiswa.html, lalu ubah scriptnya menjadi seperti di bawah

```
<link rel="import" href="../bower components/polymer/polymer-element.html">
<link rel="import" href="../bower_components/polymer/lib/elements/dom-if.html">
<link rel="import" href="../bower components/vaadin-grid/theme/material/vaadin-</pre>
grid.html">
<link rel="import" href="../bower_components/paper-input/paper-input.html">
<link rel="import" href="../bower components/paper-button/paper-button.html">
<link rel="import" href="../bower components/paper-dialog/paper-dialog.html">
<link rel="import" href="../bower components/iron-input/iron-input.html">
<link rel="import" href="../bower_components/iron-ajax/iron-ajax.html">
<link rel="import" href="shared-styles.html">
<link rel="import" href="element/form-add.html">
<link rel="import" href="element/form-edit.html">
<link rel="import" href="element/form-delete.html">
<dom-module id="mahasiswa-page">
  <template>
    <style include="shared-styles">
      :host {
       display: block;
        padding: 10px;
    </style>
    <custom-style>
      <style is="custom-style">
       paper-input-container {
```

```
width: 30%;
         float: right;
       paper-dialog#deleteModal {
         width: 250px;
         max-width: 250px;
        .warning,
        .danger {
         margin-left: -20px;
     </style>
   </custom-style>
   <div class="card">
      <h1>Data Mahasiswa</h1>
     Data Mahasiswa yang terdapat pada database
     <template is="dom-if" if="[[success]]">
       <strong>Message:</strong> [[success]]
     </template>
      <!-- Get data from rest api -->
      <iron-ajax auto url="{{url}}" method="{{method}}" handle-as="json" content-</pre>
type="application-json"
       last-response="{{response}}"></iron-ajax>
      <paper-button raised class="link" style="margin-bottom: 20px;" on-</pre>
click="openAddModal">Tambah Data/paper-button>
      <paper-input-container no-label-float>
       <label slot="label">Search..</label>
       <iron-input slot="input">
          <input type="text" value="{{keyword::input}}" width="30%">
       </iron-input>
     </paper-input-container>
     <!-- Datatable -->
     <vaadin-grid items="{{response.data}}">
       <vaadin-grid-column width="50px">
          <template class="header">#</template>
          <template>
           <div>[[index]]</div>
```

```
</template>
        </vaadin-grid-column>
        <vaadin-grid-column width="80px">
          <template class="header">Profile</template>
          <template>
            <img src="/img/[[item.profile]]" alt="profile" width="20px">
          </template>
        </vaadin-grid-column>
        <vaadin-grid-column>
          <template class="header">Npm</template>
          <template>
            <div>[[item.npm]]</div>
          </template>
        </vaadin-grid-column>
        <vaadin-grid-column width="150px">
          <template class="header">Nama</template>
          <template>
            <div>[[item.nama]]</div>
          </template>
        </vaadin-grid-column>
        <vaadin-grid-column>
          <template class="header">Kelas</template>
          <template>
            <div>[[item.kelas]]</div>
          </template>
        </vaadin-grid-column>
        <vaadin-grid-column width="200px">
          <template class="header">Action</template>
          <template>
            <paper-button id="[[item.id]]" class="warning" on-</pre>
click="openEditModal">Edit
            </paper-button>
            <paper-button id="[[item.id]]" class="danger" on-</pre>
click="openDeleteModal">Delete
            </paper-button>
          </template>
        </vaadin-grid-column>
      </vaadin-grid>
      <!-- End of datatable -->
      <!-- Crud view modal -->
      <paper-dialog id="addModal" with-backdrop>
        <form-add success="{{success}}" response="{{response}}"></form-add>
      </paper-dialog>
      <paper-dialog id="editModal" with-backdrop>
```

```
<form-
edit uid="{{uid}}" success="{{success}}" response="{{response}}"></form-edit>
      </paper-dialog>
      <paper-dialog id="deleteModal" with-backdrop>
delete uid="{{uid}}" success="{{success}}" response="{{response}}"></form-delete>
      </paper-dialog>
    </div>
  </template>
  <script>
    class MahasiswaPage extends Polymer.Element {
      static get is() { return 'mahasiswa-page'; }
      static get properties() {
        return {
          response: {
            type: Object,
          },
          keyword: {
            type: String,
            value: ''
          },
          url: {
            computed: '_computeUrl(keyword)'
          },
          method: {
           type: String,
            value: "GET"
          },
          success: String,
          uid: {
            type: Number,
            notify: true
      _computeUrl(keyword) {
        if (keyword) {
          return ['/mahasiswa/search', keyword].join('/');
        } else {
          return '/api/mahasiswa';
```

```
}

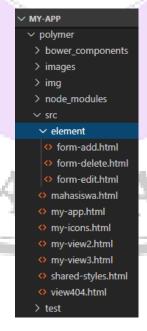
openAddModal() {
    this.$.addModal.open();
}

openEditModal(e) {
    this.uid = e.target.id;
    this.$.editModal.open();
}

openDeleteModal(e) {
    this.uid = e.target.id;
    this.$.deleteModal.open();
}

window.customElements.define(MahasiswaPage.is, MahasiswaPage);
</script>
</dom-module>
```

Buatlah folder baru dengan nama **element** di dalam direktori **polymer/src/**, jika sudah buatlah file **form-add.html**, **form-edit.html**, **form-delete.html**.



Berikut adalah script dari file-file tersebut:

form-add.html

```
@license
Copyright (c) 2016 The Polymer Project Authors. All rights reserved.
This code may only be used under the BSD style license found at http://polymer.gi
thub.io/LICENSE.txt
The complete set of authors may be found at http://polymer.github.io/AUTHORS.txt
The complete set of contributors may be found at http://polymer.github.io/CONTRIB
UTORS.txt
Code distributed by Google as part of the polymer project is also
subject to an additional IP rights grant found at http://polymer.github.io/PATENT
S.txt
<link rel="import" href="../../bower components/polymer/polymer-element.html">
<link rel="import" href="../../bower components/paper-button/paper-button.html">
<link rel="import" href="../../bower_components/paper-input/paper-input.html">
<link rel="import" href="../../bower components/iron-ajax/iron-ajax.html">
<link rel="import" href="../../bower components/iron-input/iron-input.html">
<link rel="import" href="../shared-styles.html">
<dom-module id="form-add">
    <template>
        <style include="shared-styles">
            :host {
                display: block;
                padding: 10px;
        </style>
        <h2>Tambah Data User</h2>
        <paper-input-container>
            <iron-input slot="input">
                <input type="text" value="{{formData.npm::input}}" placeholder="N</pre>
pm">
            </iron-input>
        </paper-input-container>
        <paper-input-container>
            <iron-input slot="input">
                <input type="text" value="{{formData.nama::input}}" placeholder="</pre>
Nama">
            </iron-input>
```

```
</paper-input-container>
        <paper-input-container>
            <iron-input slot="input">
                <input type="text" value="{{formData.kelas::input}}" placeholder=</pre>
"Kelas">
            </iron-input>
        </paper-input-container>
        <div class="buttons">
            <paper-button raised class="link" on-</pre>
click="addMahasiswa" style="margin-top: 20px;" dialog-confirm>Tambah
                Data
            </paper-button>
        </div>
        <iron-</pre>
ajax auto id="mahasiswaAjax" url="{{url}}" method="{{method}}" handle-as="text"
            content-type="application/json" on-response="_handleInsert">
        </iron-ajax>
    </template>
    <script>
        class FormAdd extends Polymer.Element {
            static get is() { return 'form-add'; }
            static get properties() {
                return {
                    formData: {
                        type: Object,
                        value: function () {
                             return { id: 0, npm: '', nama: '', kelas: '' }
                    },
                    url: {
                         type: String,
                        value: '/api/mahasiswa'
                    },
                    method: {
                        type: String,
                        value: 'GET'
                    },
                    success: {
                        type: String,
                        notify: true
```

```
response: {
                        type: Object,
                        notify: true
            }
            addMahasiswa() {
                this.url = '/api/mahasiswa';
                this.method = 'POST';
                this.success = 'Data mahasiswa berhasil ditambahkan';
                this.$.mahasiswaAjax.params = this.formData;
                this.formData = {};
            handleInsert(e) {
                this.method = 'GET';
                this.set('response', JSON.parse(e.detail.response));
        window.customElements.define(FormAdd.is, FormAdd);
    </script>
</dom-module>
```

form-edit.html

```
</style>
        <h2>Ubah Data Mahasiswa</h2>
        <input type="hidden" value="{{formData.id::input}}">
        <paper-input-container>
            <iron-input slot="input">
                <input type="text" value="{{formData.npm::input}}" placeholder="N</pre>
pm">
            </iron-input>
        </paper-input-container>
        <paper-input-container>
            <iron-input slot="input">
                <input type="text" value="{{formData.nama::input}}" placeholder="</pre>
Nama">
            </iron-input>
        </paper-input-container>
        <paper-input-container>
            <iron-input slot="input">
                <input type="text" value="{{formData.kelas::input}}" placeholder=</pre>
'Kelas">
            </iron-input>
        </paper-input-container>
        <div class="buttons">
            <paper-button raised class="link" on-</pre>
click="editMahasiswa" style="margin-top: 20px;" dialog-confirm>Ubah
                Data
            </paper-button>
        </div>
        <iron-
ajax auto id="getMahasiswaAjax" url="{{mhsurl}}" method="GET" handle-as="json"
            content-type="application/json" on-response=" handleGet">
        </iron-ajax>
        <iron-
ajax auto id="editMahasiswaAjax" url="{{url}}" method="{{method}}" handle-
as="text"
            content-type="application/json" on-response="_handleUpdate">
        </iron-ajax>
    </template>
    <script>
        class FormEdit extends Polymer.Element {
            static get is() { return 'form-edit'; }
```

```
static get properties() {
    return {
        formData: {
            type: Object,
            value: function () {
                return { id: 0, npm: '', nama: '', kelas: '' }
        },
        url: String,
        mhsurl: {
            computed: '_computeUrl(uid)'
        },
        method: String,
        success: {
            type: String,
            notify: true
        },
        response: {
            type: Object,
            notify: true
        },
        uid: Number,
_computeUrl(uid) {
    return ['/api/mahasiswa', uid].join('/');
editMahasiswa() {
    this.url = '/api/mahasiswa';
    this.method = 'PUT';
    this.success = 'Data mahasiswa berhasil diubah';
    this.$.editMahasiswaAjax.params = this.formData;
   this.formData = {};
handleUpdate(e) {
    this.method = 'GET';
    this.set('response', JSON.parse(e.detail.response));
_handleGet(e) {
    this.set('formData', e.detail.response.data);
```

```
}

window.customElements.define(FormEdit.is, FormEdit);
</script>
</dom-module>
```

form-delete.html

```
<link rel="import" href="../../bower_components/polymer/polymer-element.html">
<link rel="import" href="../../bower components/paper-button/paper-button.html">
<link rel="import" href="../../bower_components/iron-ajax/iron-ajax.html">
<link rel="import" href="../shared-styles.html">
<dom-module id="form-delete">
    <template>
        <style include="shared-styles">
            :host {
                display: block;
                padding: 10px;
        </style>
        <h2>Yakin hapus data?</h2>
        <div class="buttons">
            <paper-button class="link" dialog-dismiss>Batal</paper-button>
            <paper-button class="danger" on-</pre>
click="deleteMahasiswa" raised dialog-confirm>Hapus/paper-button>
        </div>
        <iron-ajax auto url="{{url}}" method="{{method}}" handle-</pre>
as="json" content-type="application/json"
            on-response="_handleDelete"></iron-ajax>
    </template>
    <script>
        class FormDelete extends Polymer.Element {
            static get is() { return 'form-delete'; }
            static get properties() {
```

```
return {
                    uid: Number,
                    url: String,
                    method: String,
                    success: {
                        type: String,
                        notify: true
                    },
                    response: {
                        type: Object,
                        notify: true
           deleteMahasiswa() {
                this.method = 'DELETE';
                this.url = '/api/mahasiswa/' + this.uid;
               this.success = 'Data mahasiswa berhasil dihapus';
           _handleDelete(e) {
                this.method = 'GET';
                this.url = '/api/mahasiswa';
               this.set('response', e.detail.response);
       window.customElements.define(FormDelete.is, FormDelete);
   </script>
</dom-module>
```

Buka terminal pada VSCode dengan menekan **CTRL +** `, setelah itu jalankan program dengan mengetikan **go run main.go**



Buka Halaman http://localhost:8081

