Back-End Development

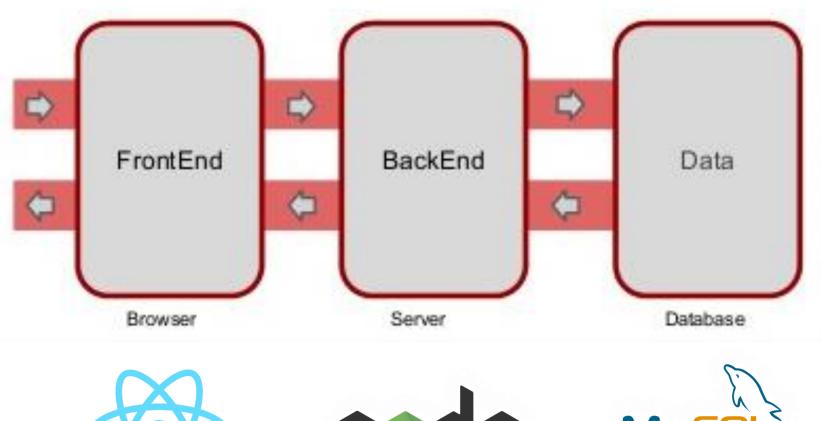
Connecting #12a Loopback & MySQL

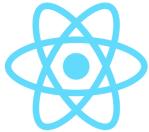






Web App Architecture











Loopback & MySQL





#1 Activate MySQL Server

Via Command Prompt, go to *mysql.exe* directory *C:\xampp\mysql\bin* then execute:

```
$ mysql.exe --user=root --password=12345
or
$ mysql.exe -u lintang -p12345
```

```
C:\Users\lintangwisesa>cd C:\Program Files\MySQL\MySQL Server 5.7\bin

C:\Program Files\MySQL\MySQL Server 5.7\bin>mysql.exe --user=lintang --password=12345
mysql: [Warning] Using a password on the command line interface can be insecure.
Welcome to the MySQL monitor. Commands end with; or \g.
Your MySQL connection id is 2
Server version: 5.7.21-log MySQL Community Server (GPL)

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
```

#2 Create Db & Table

Create database toko on MySQL

```
$ create database toko;
$ show databases;
```

Create table karyawan on toko db:

#3 MySQL Auth on Loopback

■ Untuk MySQL versi 8.0++, gunakan user: root. Untuk mengaktifkan authentication dari Loopback, di database lakukan:

```
$ alter user 'root'@'localhost' identified
with mysql_native_password by '12345';
```



#3 Create Loopback App

Create a Loopback application:

```
$ npm install -g loopback-cli
$ lb
$ cd lin_loopback
```

- Comment line server.enableAuth(); on /server/boot/authentication.js
- Activate its server by run \$ node .

```
Web server listening at:
http://localhost:3000

Browse your REST API at
http://localhost:3000/explorer
```

#4 Set MySQL Connector

Install MySQL connector:

? password: 12345

? database: toko

```
$ npm i loopback-connector-mysql
$ 1b datasource
? Enter the datasource name: mysql_lin //up to you!
? Select connector for mysql_lin: MySQL (StrongLoop)
? Connection String url to override other settings
 mysql://root:12345@localhost/toko
? host: localhost
? port: 3306
? user: root
```



#5 Create Loopback Model

On directory project, type: \$ lb model

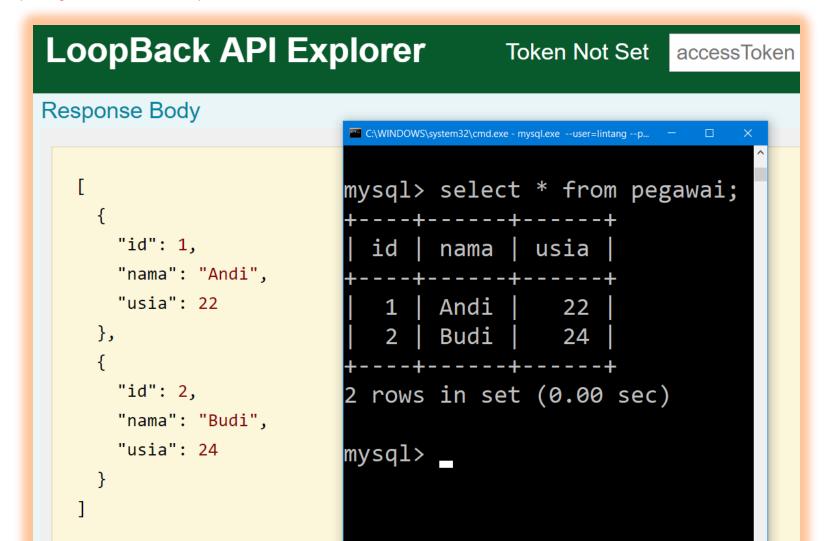
 \triangleright [?] Required? (y/N) y

```
P [?] Enter the model name: karyawan //model = table!
P [?] Select source to attach to: mysql_lin (mysql)
P [?] Select model`s base class (PersistedModel)
P [?] Expose person via the REST API? Yes
P [?] Custom plural form (used to build REST URL):
P [?] Common model or server only? Common
Let's add some person properties now.
Enter an empty property name when done.
P [?] Property name: id
P [?] Property type: (Use arrow keys) number
```



#6 Try to POST & GET

Run \$ node. then try to POST & GET directly on Loopback explorer (karyawan model) or using Postman, then see your MySQL data (karyawan table)!



Loopback & MySQL Hosting



Free MySQL Hosting



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