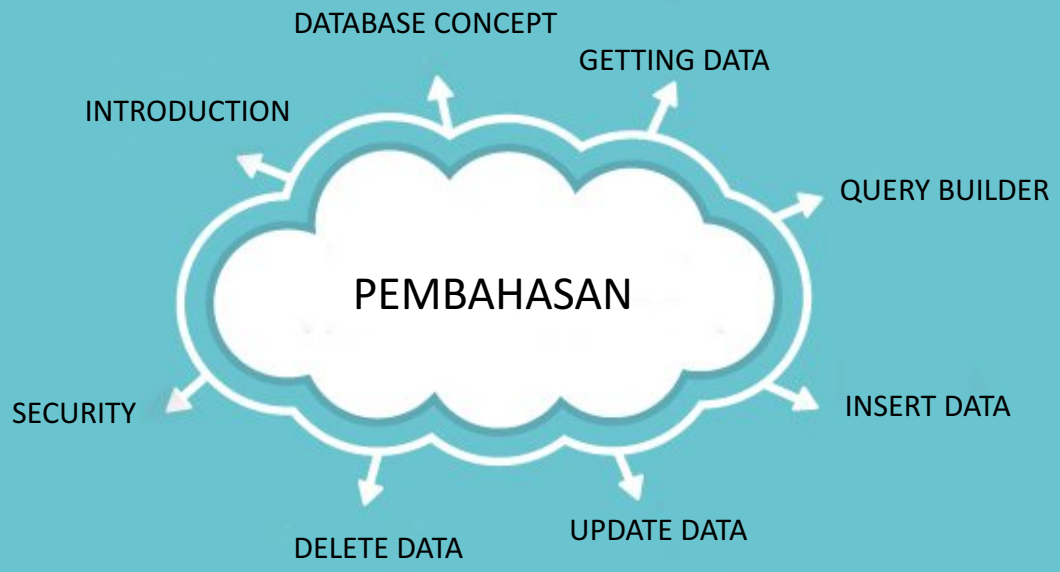
CRUD CONCEPT IN CODEIGNITER

Author: Nanda Reynaldi


DATABASE CONCEPT
GETTING DATA
INTRODUCTION
QUERY BUILDER
PEMBAHASAN
SECURITY
INSERT DATA
DELETE DATA
UPDATE DATA

GENERAL PURPOSE

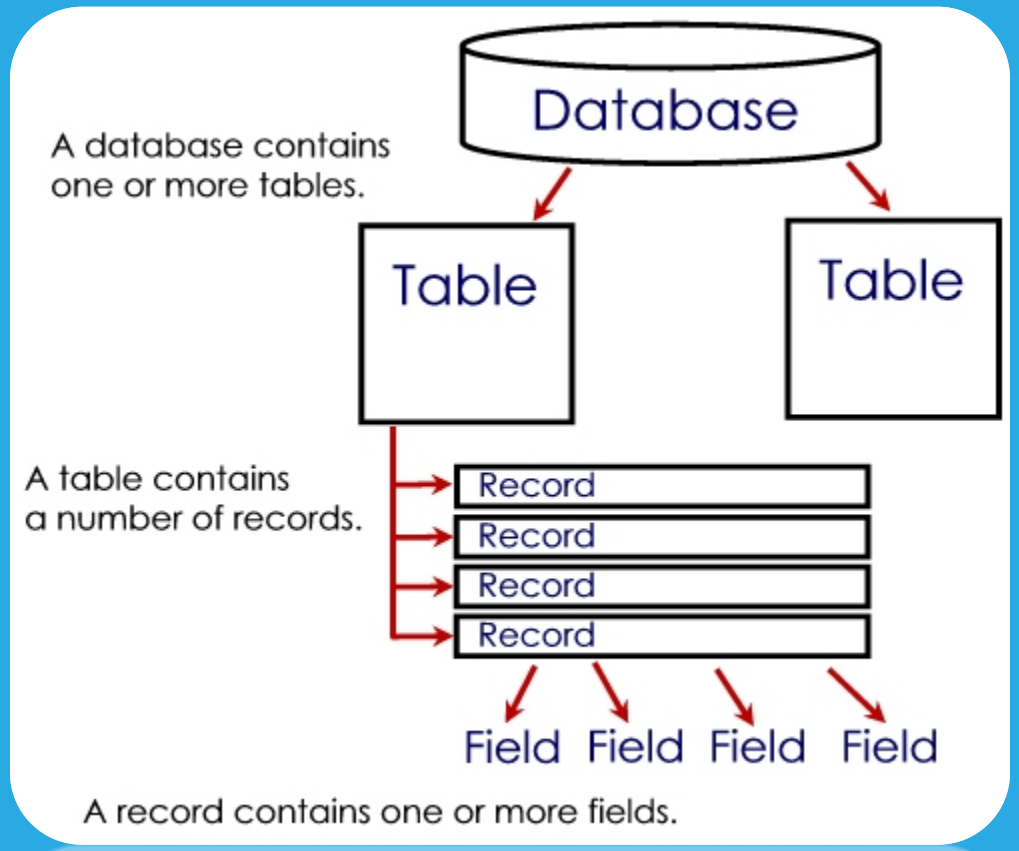
1. Understanding CRUD Consept and Requirements
2. Able to create web application with Codeigniter Framework
3. Understanding the basic concept of web security

PREPARATION

1. Download Latest project http://s.id/kodingin1
2. New XAMPP with PHP 7
3. Visual Studio Code / Sublime / Text Editor

DATABASE AND QUERY BUILDER

DB Concepts Overview



DB DRIVER SUPPORT

Database Drive reference
https://www.codeigniter.com/userguide3/database/db_driver_reference.html

DATABASE CONFIGURATION

The config file is located at application/config/database.php

```php
$db['default'] = array(
    'dsn'   => '',
    'hostname' => 'localhost',
    'username' => 'root',
    'password' => '',
    'database' => 'avc_db',
    'dbdriver' => 'mysqli',
    'dbprefix' => '',
    'pconnect' => FALSE,
    'db_debug' => (ENVIRONMENT !== 'production'),
    'cache_on' => FALSE,
    'cachedir' => '',
    'char_set' => 'utf8',
    'dbcollat' => 'utf8_general_ci',
    'swap_pre' => '',
    'encrypt' => FALSE,
    'compress' => FALSE,
    'stricton' => FALSE,
    'failover' => array(),
    'save_queries' => TRUE
);
```

QUERY BUILDER

Select Statement : return $this->db->query("select * from config")->result_array();

Selection query

Query

Get multiple results

What Difference between row_array and result_array ?

MORE EXAMPLE QUERY BUILDER

```php
public function updatedata_avc($tabel,$data,$where){
        return $this->db->update($tabel,$data,$where);
}

public function insertdata_avc($tabel, $data){
        return $this->db->insert($tabel,$data);
}
```

Parameter Binding

Get Data and SUM it

```php
public function get_board($idc, $where =''){
    $this->db->select('user, date');
    $this->db->select('SUM(point) as pts');
    $this->db->from('user_points');
    $this->db->where('id_challenge', $idc);
    $this->db->group_by('id_usr');
    $this->db->order_by('pts DESC');
    $query = $this->db->get()->result_array();
    return $query;

}
```

MORE EXAMPLE QUERY BUILDER

```php
public function selectAll($nama_mitra){
  $this->db->select('nama_lengkap, npm, foto, email1');
  $this->db->from('alumni a');
  $this->db->join('pengalaman b', 'b.id_usr=a.id','left');
  $this->db->where('perusahaan',$nama_mitra);
  $this->db->group_by('id_usr');
  $query = $this->db->get()->result_array();
  return $query;
  }
```

Join Left and Binding

Multiple Join Table

```php
function get_data(){
    $this->db->select('a.id, a.nama_lengkap, a.referal, a.tahun_join, b.id_usr as point, (
    $this->db->from('member a');
    $this->db->join('points b','b.id_usr=a.id', 'inner');
    $this->db->join('data_member c','c.id_usr=a.id','inner');
    $this->db->join('resume d','d.id_usr=a.id', 'inner');
    $this->db->join('referal_data e','e.id_usr=a.id', 'inner');
    $this->db->where('b.id_usr is NOT NULL');
    $this->db->where('c.id_usr is NOT NULL');
    $this->db->where('d.id_usr is NOT NULL');
    $this->db->where('e.id_usr is NOT NULL');
    $this->db->group_by('e.id_usr');
    $query = $this->db->get();
    $data = array();
    if($query !== FALSE && $query->num_rows() > 0){
        $data = $query->result_array();
    }
    return $data;
}
```

Let’s Practice It

Section #1 Getting Data

Section #2 Insert Data

Section #3 Update Data

Section #4 Delete Data

Section #5 Security

Any Question ?

- THANK YOU -