

# Table of Contents

Catatan Seekor: THE SERIES	1.1
----------------------------	-----

## LANGUAGE

Catatan Seekor: JAVASCRIPT	2.1
----------------------------	-----

Fundamental	2.1.1
-------------	-------

Variables	2.1.1.1
-----------	---------

Data Types	2.1.1.2
------------	---------

Type Conversions	2.1.1.3
------------------	---------

Conditional	2.1.1.4
-------------	---------

Function	2.1.1.5
----------	---------

Classes	2.1.1.6
---------	---------

Looping	2.1.1.7
---------	---------

Callback	2.1.1.8
----------	---------

Promise	2.1.1.9
---------	---------

Async/Await	2.1.1.10
-------------	----------

RegExp	2.1.1.11
--------	----------

Date	2.1.1.12
------	----------

Refferensi	2.1.2
------------	-------

Docs	2.1.2.1
------	---------

Articles	2.1.2.2
----------	---------

Video	2.1.2.3
-------	---------

Stack Overflow	2.1.2.4
----------------	---------

Forum	2.1.2.5
-------	---------

NPM	2.1.2.6
-----	---------

Course	2.1.2.7
--------	---------

Monitoring	2.1.3
------------	-------

Testing	2.1.4
---------	-------

Tools	2.1.5
-------	-------

Tips and Tricks	2.1.6
-----------------	-------

RegExp	2.1.6.1
--------	---------

Catatan Seekor: GOLANG	2.2
------------------------	-----

Fundamental	2.2.1
-------------	-------

Variables	2.2.1.1
-----------	---------

Data Types	2.2.1.2
------------	---------

Catatan Seekor: PYTHON	2.3
------------------------	-----

Django	2.3.1
Catatan Seekor: JAVA	2.4
Android	2.4.1
Catatan Seekor: PHP	2.5
Catatan Seekor: RUBY	2.6
Catatan Seekor: SWIFT	2.7
...	2.8

## DATABASE

Catatan Seekor: POSTGRESQL	3.1
Catatan Seekor: MySQL	3.2
Catatan Seekor: MongoDB	3.3
Refferensi	3.3.1

## DEVOPS

Catatan Seekor: Docker	4.1
Catatan Seekor: DEVOPS	4.2
List Response Code HTTP	4.2.1
List Transaction Code	4.2.2
Catatan Seekor: AWS	4.3

## VERSIONING

Catatan Seekor: GIT	5.1
---------------------	-----

## TOOL

Catatan Seekor: TOOL	6.1
----------------------	-----

## OS

Catatan Seekor: LINUX	7.1
Catatan Seekor: MACBOOK	7.2

## DESIGN

Catatan Seekor: DESIGN	8.1
------------------------	-----

## OTHER

Catatan Seekor: SEO	9.1
Catatan Seekor: ALGORITHM	9.2
Catatan Seekor: KYUBI	9.3
Catatan Seekor: SOFTWARE	9.4

## Catatan Seekor: THE SERIES

- [RabbitMQ Tutorials](#)

## **Catatan Seekor: JAVASCRIPT**

# Fundamental

# Variables

## VAR ( Global )

```
var iniVariableGlobal = TYPE_DATA;
```

## LET ( Local )

```
let iniVariableLocal = TYPE_DATA;
```

## CONST ( Read Only )

```
const iniVariableReadOnly = TYPE_DATA;
```

## Assignment Operator

```
a = 1;           // a = 1;
a += 1;          // a = a + 1;
a -= 1;          // a = a - 1;
a *= 1;          // a = a * 1;
a /= 1;          // a = a / 1;
a %= 1;          // a = a % 1;
```

```
a = 1 + 1;       // 1 + 1 = 2
b = a + 1;       // (2) + 1 = 3
c = a = b = 3;   // c = 3, a = 3, b = 3
d = a += b /= c; // ?
```

```
let a = 1; console.log(a++); // 1
let a = 1; console.log(a--); // 1

let a = 1; console.log(++a); // 2
let a = 1; console.log(--a); // 0
```

# Data Types

## Number

```
iniNumber = 0;  
iniNumber = 0.1;  
iniNumber = 1337e1;           // 13370  
iniNumber = 1337e-2;          // 13.37  
iniNumber = 1337*1e-3;        // 1.337  
iniNumber = Number.MAX_VALUE; // 1.7976931348623157e+308  
iniNumber = Number.MIN_VALUE; // 5e-324  
iniNumber = Number.MAX_SAFE_INTEGER; // 9007199254740991  
iniNumber = Number.MIN_SAFE_INTEGER; // -9007199254740991
```

```
console.log(typeof iniNumber); // number
```

## String

```
iniString = 'Type Data String';  
iniString = "Type Data String";  
iniString = `Type Data String`;
```

```
console.log(typeof iniString) // string
```

```
let hours = ('0' + 1).slice(-2);  
let minutes = ('0' + 37).slice(-2);  
  
console.log(`${hours}:${minutes} AM`); // '01:37 AM'
```

## Boolean

```
iniBoolean = true;  
iniBoolean = false;
```

```
console.log(typeof iniBoolean); // boolean
```

## Function

```
iniFunction = function() {};  
iniFunction = () => {};
```



```
console.log(typeof iniFunction); // function
console.log(iniFunction instanceof Function); // true
```

## Array

```
iniArray = [];
```

```
console.log(typeof iniArray); // object
console.log(iniArray instanceof Array); // true
console.log(Array.isArray(iniArray)); // true
```

```
let data = [ "a", "b", "c"];

console.log(data[0]) // 'a'
console.log(data[data.length - 1]) // 'c'
```

```
let data = [ 0, 1, 2, 3, 4 ];
console.log(
  data.indexOf( 2 )
); // 2
console.log(
  data.indexOf( 10 )
); // -1
```

```
let data = [ 0, 1, 2, 3, 4 ];
console.log(
  data.includes( 2 )
); // true
console.log(
  data.includes( 10 )
); // false
```

```
let data = [ 0, 1, 2, 3, 4 ];

console.log(
  data.filter((item, index) => {
    return item !== 0 && index !== (data.length - 1);
  })
); // [ 1, 2, 3 ]
```

```
let data = Array.of( 0, 1, 2, 3, 4 );
console.log( data ); // [ 0, 1, 2, 3, 4 ]
```

```
let data = [];

(new Array(5).fill()).forEach((item, index)=> {
  data.push(index)
})

console.log( data ) // [ 0, 1, 2, 3, 4]
```

```
console.log(
  (new Array(5).fill('')).map((item, index)=> {
    return index;
  })
); // [ 0, 1, 2, 3, 4 ]
```

## Object

```
iniObject = {};
```

```
console.log(typeof iniObject); // object
console.log(iniObject instanceof Object); // true
```

```
let data = {
  a: "ini a",
  b: "ini b",
  c: "ini c",
}

console.log(data.a) // 'ini a'
console.log(data['a']) // 'ini a'
console.log(data); // { a: 'ini a', b: 'ini b', c: 'ini c' }

const { b, c } = data;
console.log( b ); // 'ini b'
console.log( c ); // 'ini c'

console.log(Object.keys(data)); // [ 'a', 'b', 'c' ]
console.log(Object.values(data)); // [ 'ini a', 'ini b', 'ini c' ]
```

```
let dataBefore = {
  a: 'ini a',
  b: 'ini b',
  c: 'ini c',
}

let dataAfter = {
  ...dataBefore,
  ['a'] : 'ini a telah di update',
  ['c'] : dataBefore['c'] + ' telah di update juga',
  d : '5'
}

console.log({
  ...dataAfter,
  d : +dataAfter.d + 5
}); // { a: 'ini a telah di update', b: 'ini b', c: 'ini c telah di update juga', d: 10 }
```

```
let data = {
  name: ['Name is required.'],
  email: ['Email is required.'],
  password: ['Password is required.'],
};

for (const [key, value] of Object.entries(data)) {
  console.log(value[0]);
};

// Output:
// Name is required.
// Email is required.
// Password is required.
```

## Null

```
iniNull = null;
```

```
console.log(typeof iniNull); // object
```

## Undefined

```
iniUndefined = undefined;
```

```
console.log(typeof iniUndefined); // undefined
```

# Type Conversions

## To String

```
let data = true; // boolean
let data = 0; // number

iniString = String( data );
iniString = data + '';
iniString = data.toString();

console.log( typeof iniString ); // string
```

## To Number

```
let data = true; // boolean
let data = '0'; // string

iniNumber = Number( data );
iniNumber = +data;

console.log( typeof iniNumber ); // number
```

## To Boolean

```
let data = '0'; // string
let data = 0; // number

iniBoolean = Boolean( data );
iniBoolean = !!+data;

console.log( typeof iniBoolean ); // boolean
```

# Conditional

## Comparison and Logical Operator

```
const conditional = !false // true
```

```
let dataIsNotEmpty = '';
let dataIsNotEmpty = 0;
let dataIsNotEmpty = null;
let dataIsNotEmpty = undefined;

console.log(!dataIsNotEmpty); // true
console.log(!!dataIsNotEmpty); // false
console.log(!!!dataIsNotEmpty); // true
console.log(!!!!!!dataIsNotEmpty); // ?
```

```
console.log(0 == 0); // true
console.log(0 == '0'); // true
console.log(0 != '0'); // false
console.log(true != 'true'); // true
console.log(!(true != 'true')); // false
```

```
console.log(0 < -1); // false
console.log(-1 <= '-1'); // true
console.log(0 > '-2'); // true
console.log(-1 >= -1); // true
console.log(true && !false); // true
console.log(true || false); // true
```

```
console.log(0 === 0); // true
console.log(0 === '0'); // false
console.log(0 !== '0'); // true

console.log(!!+'1337'); // true
console.log(!!+'satu'); // true
```

## The *if* Statement

```

const condition = true;
const isTrue = 'text true';

console.log(() => {
  if (condition) return isTrue;
})(); // 'text true'

console.log(() => {
  return (condition) && isTrue
})(); // 'text true'

console.log(() => {
  return (!condition) || isTrue
})(); // 'text true'

```

## The *else* Statement

```

const condition = true;
const isTrue = 'text true';
const isFalse = 'text false';

console.log(() => {
  if (condition) return isTrue;
  else return isFalse;
})(); // 'text true'

// Ternary Conditional Operator
console.log(() => {
  return condition ? isTrue : isFalse
})(); // 'text true'

```

## The *else if* Statement

```

const condition = false;
const condition2 = true;
const isTrue = 'text true';
const isFalse = 'text false';

console.log(() => {
  if (condition) return isTrue;
  else if (condition2) return 'else if true';
  else return isFalse;
})(); // 'else if true'

// Ternary Conditional Operator
console.log(() => {
  return condition
    ? isTrue
    : condition2
      ? 'else if true'
      : isFalse
})(); // 'else if true'

```

## The *switch case* Statement

```

const condition = 1;
const isTrue = 'text true';
const isFalse = 'text false';

console.log(() => {
  let output;
  switch (condition) {
    case 0:
      output = isFalse;
      break;
    case 1:
    case 2:
      output = 'With case 2'
      break;
    default:
      output = "default";
      break;
  }
  return output;
})(); // 'With case 2'

```

## The *try catch finally* Statement

```

try {
  // tryCode - Block of code to try
}
catch(err) {
  // catchCode - Block of code to handle errors
}
finally {
  // finallyCode - Block of code to be executed regardless of the try / catch
}

```

source [https://www.w3schools.com/jsref/jsref\\_try\\_catch.asp](https://www.w3schools.com/jsref/jsref_try_catch.asp)

```

const isError = true;
let message = '';

try {
  if( isError ) throw 'throw from block try';
  message += 'from block try. ';
}
catch (e) {
  message += `from block catch, with message: "${e}". `;
}
finally {
  message += 'from block finally. ';
}

console.log(message); // from block catch, with message: "throw from block try"

```

## Function

```
function introduction(name) {
  console.log('Hai, my name is ${ name }.');
};

introduction('Mahbub'); // 'Hai, my name is Mahbub.'
```

```
function introduction({ firstName, lastName }) {
  console.log('Hai, my name is ${ firstName } ${ lastName }.');
};

introduction({firstName: 'Mahbub', lastName: 'Zulkarnain'}); // 'Hai, my name is Mahbub Zulkarnain.'
```

```
function introduction({ name: { firstName, lastName }, hobby }) {
  console.log('Hai, my name is ${ firstName } ${ lastName }. My favorite hobby is ${ hobby }.');
};

introduction(
  {
    name: { firstName: 'Mahbub', lastName: 'Zulkarnain' },
    hobby: 'traveling'
  },
); // 'Hai, my name is Mahbub Zulkarnain. My favorite hobby is traveling.'
```

```
function Person({ name: { firstName, lastName }, hobby }) {
  this.firstName = firstName;
  this.lastName = lastName;
  this.hobby = hobby;
}

Person.prototype.say = function () {
  console.log('Hai, my name is ${ this.firstName } ${ this.lastName }. My favorite hobby is ${ this.hobby }.');
};

const person = new Person(
  {
    name: { firstName: 'Mahbub', lastName: 'Zulkarnain' },
    hobby: 'traveling'
  },
);

person.say(); // 'Hai, my name is Mahbub Zulkarnain. My favorite hobby is traveling.'
```

## Declaration



```
// bisa di gunakan sebelum deklarasi function
console.log(iniFunctionDeclaration()); // 'tampil text ini'

// contoh : deklarasi "function declarations"
function iniFunctionDeclaration() {
  return "tampil text ini";
};

// bisa di gunakan sesudah deklarasi function
console.log(iniFunctionDeclaration()); // 'tampil text ini'
```

## Expression

```
// tidak bisa di gunakan sebelum deklarasi function
console.log(iniFunctionExpressions()); // ReferenceError: iniFunctionExpressions is not defined

// contoh : deklarasi "function expressions"
var iniFunctionExpressions = function() {
  return "tampil text ini";
};

// OR

// contoh : deklarasi "function expressions"
var iniFunctionExpressions = () => {
  return "tampil text ini";
};

// bisa di gunakan sesudah deklarasi function
console.log(iniFunctionExpressions()); // 'tampil text ini'
```

## Async/Await

```
async function asyncFunction() {
  return 'ini function async';
};

asyncFunction().then(console.log); // 'ini function async'
```

```
async function asyncFunction() {
  return 'ini function async';
};

(async () => {
  try {
    console.log(await asyncFunction());
  } catch (e) {
    console.log(e.message);
  }
})(); // 'ini function async'
```

# Classes

```
class Introduction {
  constructor(name) {
    console.log(`Hai, my name is ${name}.`);
  };
}
new Introduction('Mahbub'); // 'Hai, my name is Mahbub.'
```

```
class Person {
  constructor({name: {firstName, lastName}, hobby}) {
    this.firstName = firstName;
    this.lastName = lastName;
    this.hobby = hobby;
  };

  say() {
    console.log(`Hai, my name is ${this.firstName} ${this.lastName}. My favorite hobby is ${this.hobby}.`);
  };
}

const person = new Person({
  name: { firstName: 'Mahbub', lastName: 'Zulkarnain' },
  hobby: 'traveling'
});

person.say(); // 'Hai, my name is Mahbub Zulkarnain. My favorite hobby is traveling.'

```

```
class Person {
  static say({name: {firstName, lastName}, hobby}) {
    console.log(`Hai, my name is ${firstName} ${lastName}. My favorite hobby is ${hobby}.`);
  };
}

Person.say({
  name: { firstName: 'Mahbub', lastName: 'Zulkarnain' },
  hobby: 'traveling'
}); // 'Hai, my name is Mahbub Zulkarnain. My favorite hobby is traveling.'

```

# Looping

## The *for* Statement

```
let input = ['t', 'r', 'u', 'e', '1', '2'];

console.log(() => {
  let output = "";
  for (let i = 0; i < input.length; i++){
    if( input[i] === ' ') continue;
    if( output.length > 3) break;
    output += input[i];
  }
  return output
})(); // 'true'
```

## The *while* Statement

```
let input = ['t', 'r', 'u', 'e'];

console.log(() => {
  let output = ""; let i = 0;
  while(i < input.length){
    output += input[i];
    i++;
  }
  return output
})(); // 'true'
```

## The *do while* Statement

```
let input = ['t', 'r', 'u', 'e'];

console.log(() => {
  let output = ""; let i = 0;
  do {
    output += input[i];
    i++;
  } while(i < input.length)
  return output
})(); // 'true'
```

## Callback

```
function callFather(message) {  
  console.log("Dad! " + message)  
}  
  
function callMother(message) {  
  console.log("Mom! " + message)  
}  
  
function talk(...call) {  
  call.forEach((fn) => {  
    fn(`I'm hungry...`)  
  })  
}  
  
talk(callFather, callMother);  
/* output  
Dad! I'm hungry...  
Mom! I'm hungry...  
*/
```

# Promise

```
const isError = true;

(new Promise(((resolve, reject) => {
  setTimeout(() => {
    if (!isError) {
      resolve('Fullfilled');
    } else {
      reject('Rejected');
    }
  }, 1000);

  console.log('Pending');
})))
  .then((response) => {
    console.log(response); // Fullfilled
  })
  .catch((error) => {
    console.log(error);    // Rejected
  })
  .finally(() => {
    console.log('Settled');
  });

// Output:
// Pending
// Rejected
// Settled
```

## Async/Await



## RegExp

## Date

```
let now = new Date();

console.log(now); // 1970-01-01T00:00:00.000Z

console.log(now.toISOString()); // 1970-01-01T00:00:00.000Z
console.log(now.toUTCString()); // Thu, 01 Jan 1970 00:00:00 GMT

console.log(now.toString()); // Thu Jan 01 1970
console.log(now.toTimeString()); // 07:00:00 GMT+0700 (Western Indonesia

console.log(now.toLocaleString()); // 1/1/1970, 7:00:00 AM
console.log(now.toLocaleDateString()); // 1/1/1970
console.log(now.toLocaleTimeString()); // 7:00:00 AM

console.log(now.toJSON()); // 1970-01-01T00:00:00.000Z
console.log(now.toString()); // Thu Jan 01 1970 07:00:00 GMT+0700 (V

console.log(now.getTime()); // 25200000
```



## Refferensi

## Docs

- [Angular](#)
- [Apollo](#)
- [Certbot](#)
- [Expo](#)
- [Express JS](#)
- [GraphQL](#)
- [Native Base](#)
- [Ngrok](#)
- [PM2](#)
- [React JS](#)
- [React Native](#)
- [Redis](#)

## Articles

- [7 JavaScript Design Patterns Every developer should know](#)
- [About React](#)
- [Adding Alias to Create React Native App \(CRNA\) in 2 minutes](#)
- [Advanced GraphQL Queries, Error Handling, Data Loader](#)
- [An Introduction To Storybook: Organize How You Build JS Components](#)
- [Application State Management with React](#)
- [Authentication and Authorization in GraphQL \(and how GraphQL-Modules can help\)](#)
- [Best Practices for Serverless Development](#)
- [Build a Health Tracking App with React, GraphQL, and User Authentication](#)
- [Deploy Your React App on Github Pages](#)
- [Event handler not working in Internet Explorer](#)
- [FLEXBOX FROGGY](#)
- [Google JavaScript Style Guide](#)
- [GraphQL Best Practices](#)
- [GraphQL Resolvers: Best Practices](#)
- [Handling Authentication with Nodejs](#)
- [How Facebook organizes their GraphQL code](#)
- [How npm handles the "scripts" field](#)
- [How To: Add Test Coverage to your Serverless Applications](#)
- [How to Build a Real-time Chat App With NodeJS, Socket.IO, and MongoDB](#)
- [How to build a PWA from scratch with HTML, CSS, and JavaScript](#)
- [How to Debug a Node.js Application: Tips, Tricks and Tools](#)
- [How to implement useState with useReducer](#)
- [How to set up a GraphQL Server using Node.js, Express & MongoDB](#)
- [HOW TO UNIT TEST REACT APPLICATIONS WITH JEST AND ENZYME](#)
- [How to use DataLoaders in GraphQL](#)
- [How to Use Local Storage with JavaScript](#)
- [Install a local DynamoDB development database on your machine](#)
- [Installing Node.js with nvm to Linux & macOS & WSL](#)
- [JAMstack Apps - Open-Source and built with Automation Tools](#)
- [JavaScript Web Application Security Guide](#)
- [JS illustrated: Promises](#)
- [Learn to Build Full-Stack Apps with Serverless and React on AWS](#)
- [Membuat Realtime Chart dengan Apache Kafka + nodeJS + socket.io](#)
- [Nodejs Application Security](#)
- [Node.js RESTful API with DynamoDB Local](#)
- [Optimizing GraphQL Queries with DataLoader](#)
- [Optimasi load Progressive Web Application \(PWA\) dengan React JS kurang dari 5 detik dalam koneksi slow 3G](#)
- [Organising Your React Application](#)
- [Promise.all with Async/Await](#)
- [React Internationalization with i18n](#)
- [React Parts](#)

- [React Router v6 in Three Minutes](#)
- [Serverless Zone](#)
- [Solved by Flexbox](#)
- [Start testing your GraphQL Schema, Queries and, Mutations!](#)
- [Static vs Unit vs Integration vs E2E Testing for Frontend Apps](#)
- [Simple String.format\(\) in javascript](#)
- [Testing React Components with Enzyme and Jest](#)
- [Testing a Queue Jobs \(kue\) in Node JS](#)
- [Understanding Classes in JavaScript](#)
- [Understanding Prototypes and Inheritance in JavaScript](#)

## Github

- [30 Seconds of Code](#) by 30-seconds
- [33 JS Concepts](#) by Leonardo Maldonado
- [Airbnb JavaScript Style Guide](#) by Airbnb
- [Clean Code Javascript](#) by Ryan McDermott
- [Google Cloud Node](#) by googleapis
- [JavaScript Algorithms and Data Structures](#) by Oleksii Trekhleb
- [Math as Code](#) by Jam3
- [Modern JS Cheatsheet](#) by Manuel Beaudru
- [Nginx Admin's Handbook](#) by trimstray
- [Project Based Learning](#) by Tu V. Tran
- [The Book of Secret Knowledge](#) by trimstray
- [Web Developer Shortcut](#) by R. Kuku
- [You Dont Know JS](#) by Kyle Simpson

## Website

- [Automation Step by Step](#)
- [Free Code Camp](#)
- [Free For Dev](#)
- [Javascrpting \( List of Javascript Library \)](#)
- [Regex Lib](#)
- [Sabe](#)
- [Serverless Stack](#)
- [Skptricks](#)
- [Tania Rascia](#)
- [The Modern JavaScript Tutorial](#)
- [The Power Of Serverless for Frontend Developers](#)
- [Vinta](#)
- [W3Schools](#)

## Video

### Youtube

- [Dasar Pemrograman dengan Javascript](#) by Web Programming UNPAS
- [JavaScript Tutorials for Beginners](#) by The Net Ninja
- [Modern JavaScript Tutorial](#) by The Net Ninja

## Stack Overflow

- [ES6, how can you export an imported module in a single line?](#)
- [Firebase REST auth when creating token with node.js admin sdk](#)
- [How do I return the response from an asynchronous call?](#)
- [How do JavaScript closures work?](#)
- [How to authenticate a firebase user from server without client side auth?](#)
- [How to better organize your React applications?](#)
- [How to change the back button label, react-navigation](#)
- [How to check if in-app purchase/subscription is valid? \(Node.js\)](#)
- [How do i pass eslint checking for this.props.navigation.navigate \(react-navigation\)?](#)
- [Invalid 'reference' directive syntax](#)
- [Is React Native's LayoutAnimation supported on Android?](#)
- [React/RCTBridgeDelegate.h' file not found](#)
- [React Best Practices](#)
- [Set default node version with NVM](#)
- [TypeError: Cannot read property 'activities' of undefined in yoga-layout-prebuilt](#)

## Testing

- [How to use ESLint with Jest](#)
- [How do I run a single test using Jest?](#)
- [How do I test a single file using Jest?](#)
- [How to use ESLint with Jest](#)
- [JavaScript Standard Style does not recognize Mocha](#)
- [Jest clean up after all tests have run](#)
- [Option "setupTestFrameworkScriptFile" was replaced by configuration "setupFilesAfterEnv", which supports multiple paths](#)
- [Run only ONE test with Jest](#)
- [Test setting text value with React and Enzyme](#)

## Typescript

- [Error TS1110 Build: Type expected](#)
- [ESLint: Unable to resolve path to module](#)
- [What is the "as syntax" pointed out by tslint?](#)

## DynamoDB

- [Append a new object to a JSON Array in DynamoDB using NodeJS](#)
- [DynamoDB : SET list\\_append not working using aws sdk](#)
- [Can't remove an element from a list using UpdateItem](#)
- [How do I update nested list data in dynamodb using document client](#)
- [remove a list element in dynamodb with the index being a value stored in a variable](#)

## Promise

- [Placement of catch BEFORE and AFTER then](#)

## Sequelize

- [Get total row count while paging](#)
- [How to concat columns in Sequelize with SQLite database](#)
- [Number of active connections and remaining connections](#)

## Forum

## Telegram

- [JavaScript Indonesia Channel](#)



# NPM

## Dependencies

- [Apollo Boost](#)
- [Axios](#)
- [Bcrypt](#)
- [Cors](#)
- [D3 Interpolate](#)
- [Express Validator](#)
- [Firebase](#)
- [Form Data](#)
- [Internet Printing Protocol \(IPP\) for nodejs](#)
- [JSONWebToken \(JWT\)](#)
- [JSPDF](#)
- [Lodash](#)
- [Moment](#)
- [Mongoose](#)
- [Node Printer for Local Only](#)
- [Passport](#)
- [QRCode](#)
- [React Redux](#)
- [React Native Render HTML](#)
- [React Native QRCode](#)
- [React Navigation](#)
- [Redux](#)
- [Redux Thunk](#)
- [Sequelize](#)

## DevDependencies

- [Chai](#)
- [Chai HTTP](#)
- [Dotenv](#)
- [Mocha](#)
- [NYC](#)

## Course

- [Hactiv8 Indonesia](#)

## Monitoring

- [DataDog](#)

## Testing

- [Acunetix](#)
- [Apium](#)
- [BlazeMeter](#)
- [Burp Suite](#)
- [JMeter](#)
- [K6](#)
- [Load Impact](#)
- [New Relic](#)
- [Security Headers](#)
- [Selenium](#)
- [Sn1per by 1N3](#)
- [Snyk](#)
- [Storybook](#)
- [Sqreen](#)

## Tools

- [HTML to JSX](#)
- [Bundle Phobia](#)

## Tips and Tricks

```
// Get random item from array
((data) => {
  return data[Math.floor(Math.random() * data.length)]
})(['1337', 'Random', 666, 'Mahbub', 10, 1993, 'Zulkarnain']);
```

```
// Get random number with range
((min, max) => {
  return Math.floor(Math.random() * (max - min + 1)) + min;
})(1, 10);
```

```
// Generate array of number with range
((min, max) => {
  let data = [];
  for (let i = min; data.push(i++) < max;);
  return data;
})(1, 10);
```

```
// Generate random string with specified length
((length) => {
  let data = '';
  for (; data.length < length; data += Math.random().toString(36).substr(2));
  return data.substr(0, length);
})(10);
```

```
// Suffle an array of numbers
((data) => {
  return data.sort(() => Math.random() - 0.5);
})([ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 ]);
```

```
// Count some char in string
((data) => ((data || '').match(/1/g) || []).length)('10101010')
```

## Convert

```
// Convert number to rupiah
((number, isShowRp = true) => {
  return (isShowRp ? 'Rp': '') + Number
    .parseFloat(+number ? +number : 0)
    .toFixed(0)
    .toString()
    .replace(/\B(?=(\d{3})+(?!\d))/g, '.');
})(100000); // Rp100.000
```

## RegExp

```
// validation email
const email = /^(^([a-zA-Z][a-zA-Z0-9._]+[a-zA-Z0-9])@((\[[0-9]{1,3}\. [0-9]{1,3}\. [0-9]{1,3}\. [0-9]{1,3}\)|[a-zA-Z0-9][a-zA-Z0-9-]{0,61}[a-zA-Z0-9])$)/
console.log(email.test('mahbubzulkarnain@domain.com')); // true
```

```
// validation password
// Min 6 characters which contain at least one numeric digit, one uppercase letter, one lowercase letter, and one special character
const password = /^(?=.*\d)(?=.*[A-Z])(?=.*[a-z])(?=.*^a-zA-Z0-9)(?!.*\s).{6,}$
console.log(password.test('Mahbub!23')); // true
```

```
// validation url
const url = /^(http:\/\/www\.|https:\/\/www\.|http:\/\/|https:\/\/)?[a-z0-9]+(\.[a-z0-9]+)*\.?([a-z]{2,4}|[a-z]{6})$/
console.log(url.test('https://github.com/mahbubzulkarnain')); // true
```

```
// validation username
const username = /^(^([a-zA-Z][a-zA-Z0-9._]+[a-zA-Z0-9]).{6,}$)/g;
console.log(username.test('mahbubzulkarnain')); // true
```

# Catatan Seekor: GOLANG

## Conditional

### The *if* Statement

```
const conditional = true
const isTrue = "text true"

if conditional {
    fmt.Println(isTrue)
}

// Output: "text true"
```

## Looping

### The *for* Statement

```
input := [...] string {"t", "", "r", "", "u", "", "e", "1", "2"}

var output string
for i := 0; i < len(input); i++ {
    if input[i] == "" {
        continue
    }
    if len(output) > 3 {
        break
    }
    output += input[i]
}

fmt.Println(output) // "true"
```

## Links

- [5 Ways to Live Reloading Go Applications](#)
- [Awesome Docker](#)
- [A web framework written in Golang](#)
- [An Example of Using NSQ From Go](#)
- [API Resources for Go Developers](#)
- [Beating JSON performance with Protobuf](#)
- [BogoToBogo](#)
- [Build Web Application with Golang](#)
- [Building Docker Containers for Go Applications](#)
- [Dasar Pemrograman Golang](#)
- [Deploying a Go application on AWS EC2](#)
- [Getting Started with Kafka in Golang](#)
- [Getting Started with Serverless Go](#)
- [Golang & SOAP Based Services](#)



- [Golang Bot](#)
- [Golang Code](#)
- [Golang Programs](#)
- [High Performance Go Workshop](#)
- [Hot Example](#)
- [How to use RegEx in GoLang](#)
- [Implementasi Kafka menggunakan Golang + Testing](#)
- [Lambdas with GoLang — a technical guide](#)
- [Learn Go with Tests](#)
- [Membangun Realtime Canvas Drawing Dengan Go, Websocket dan P5.js](#)
- [Regular Expression to Check Indonesian MobilePhone Provider](#)
- [SOAP - WSDL request in Go Language](#)
- [Solving the "does not support indexing" error in a Go program](#)
- [Tutorial Edge](#)
- [Writing Great Go Code](#)

## Architecture

- [Clean Architecture using Golang](#) by Elton Minetto
- [The Clean Code Blog](#) by Robert C. Martin ( Uncle Bob )
- [Trying Clean Architecture on Golang](#) by Iman Tumorang

## Stackoverflow

- [Assigning null to JSON fields instead of empty strings](#)
- [Docker: go get from a private GitHub repo](#)
- [How to pass arguments to router handlers in Golang using Gin web framework?](#)
- [How to use Go with a private GitLab repo](#)
- [gometalinter / errcheck returns a warning on deferring a func which returns a variable](#)
- [Remove diacritics using Go](#)

## CI/CD

- [GolangCI](#)

## Github

- [awesome-auth](#)

## Docs

- [Golang](#)

# Fundamental

# Variables

## VAR

```
var {variableName} {typedata}  
var {variableName} {typedata} = {value}  
  
var {variableName}, {variableName2} {typedata}  
var {variableName}, {variableName2} {typedata} = {value}, {value2}
```

# Data Types

## Numeric

```
var iniNumeric int8      // 0 - 255
var iniNumeric int16     // 0 - 65535
var iniNumeric int32     // 0 - 4294967295
var iniNumeric int64     // 0 - 18446744073709551615
var iniNumeric int

var iniNumeric uint8     // -128 - 127
var iniNumeric uint16    // -32768 - 32767
var iniNumeric uint32    // -2147483648 - 2147483647
var iniNumeric uint64    // -9223372036854775808 - 9223372036854775807
var iniNumeric uint

var iniNumeric float32
var iniNumeric float64

var iniNumeric rune      // 0 - 4294967295
var iniNumeric byte      // -128 - 127
```

## String

```
var iniString string = "Type Data String"
var iniString string = `Type Data String`
```

## Boolean

```
var iniBool bool = true
```

## Catatan Seekor: PYTHON

Link

- [Fullstack Python](#)

# Django

## Links

- [Django Project](#)
- [PEP 8 — the Style Guide for Python Code](#)

\*\*\*\*

## Catatan Seekor: JAVA

### Link

- [Clean Code: Smells and Heuristics](#)
- [Kumpulan Tutorial Spring Framework](#)

# Android

## Links

- [Android - JSON Parser](#)
- [How to Create an Android Chat App Using Firebase](#)
- [Membuat Realtime Chat Sederhana Menggunakan Android Studio Dengan Database Firebase](#)

## Website

- [Android Hive](#) by Ravi Tamada



# Catatan Seekor: PHP

## Links

- [CakePHP cache was unable to write in Centos 7](#)
- [Can't install with iconv on Mac OSX](#)
- [CodeIgniter Form Validation: From Start to Finish](#)
- [CodeIgniter htaccess and URL rewrite issues](#)
- [Console google drive API](#)
- [Cross-Site Scripting \(XSS\)](#)
- [Deny all, allow only one IP through htaccess](#)
- [Extension gd is missing from your system - laravel composer Update](#)
- [Facing a file permission error while running CakePHP in Ubuntu 10.4](#)
- [How to Allow IP Addresses with a .htaccess File](#)
- [How To Install and Use Composer on Debian 9](#)
- [How to Install PHP ext-zip extension?](#)

## Symptoms

- [How to save a PNG image server-side, from a base64 data string](#)
- [Learn web scraping using php!](#)
- [Linux 25 PHP Security Best Practices For Sys Admins](#)
- [Ocasional error warning when CakePHP is writing to the cache](#)
- [permissions error running Console/cake](#)
- [PHP7 : install ext-dom issue](#)
- [phpbrew ext install bz2 on OSX can't find BZip2](#)
- [phpbrew mit macOS 10.14 Mojave](#)
- [Using Google Drive REST API with Laravel](#)
- [Using Vue.js with a Lumen powered API](#)
- [Ultimate PHP Security Best Practices](#)
- [What is CodeIgniter?](#)

## Catatan Seekor: RUBY

### Link

- [Ruby on Rails Tutorial](#)
- [An introduction to Ruby's \\*Splat and double \\*\\*Splat operators](#)
- [Set Current Locale in your Rails App](#)
- [Social Meta Tags Setup in Rails](#)
- [Meta robots tag: noindex, nofollow, noarchive, noodp & noydir](#)
- [Ruby on Rails Cheatsheet](#)
- [belajarrubyonrails](#)
- [How to map and remove nil values in Ruby](#)
- [Rails 4 render json nested objects](#)
- [Same Model for Two belongs\\_to Associations](#)
- [Best practice about empty belongs\\_to association](#)
- [Rails - associate two different fields from one model as one association](#)
- [Running validations when using `update\\_all`](#)
- [You must use Bundler 2 or greater with this lockfile](#)
- [How to delete specific characters from a string in Ruby?](#)
- [ruby on rails find\\_or\\_initialize](#)
- [Setup and test Rails 6.0 with RSpec, FactoryBot, and Devise](#)
- [How to use .nil? .empty? .blank? .present? in Rails 5](#)
- [How to reset postgres' primary key sequence when it falls out of sync?](#)
- [How to check a checkbox in capybara?](#)
- [Capybara \(and Selenium\) with RSpec & Rails 3: quick tutorial](#)
- [Using Named Scopes Across Models with ActiveRecord#Merge](#)
- [How to Use link\\_to in Rails](#)
- [JavaScript file per view in Rails](#)
- [The RSpec Tutorial](#)
- [Rails Role-Based Authorization](#)
- [Devise Quickstart Guide](#)
- [Rails 5.2 credentials](#)

## Catatan Seekor: SWIFT

- [How can I get key's value from dictionary in Swift?](#)
- [JSON Parsing in Swift explained with code examples](#)
- [Let's Set Up Your iOS Environments](#)
- [Managing different Environments using XCode Build Schemes and Configurations](#)

```

<?xml version='1.0' encoding='utf-8'?>
<html xmlns="http://www.w3.org/1999/xhtml" lang="" xml:lang="" class="calibre">
  <head>
    <title>...</title>
    <meta http-equiv="X-UA-Compatible" content="IE=edge"/>
    <meta name="description" content=""/>
    <meta name="generator" content="GitBook 3.2.3"/>

    <link rel="stylesheet" type="text/css" href="stylesheet.css"/>
    <link rel="stylesheet" type="text/css" href="page_styles.css"/>
  </head>
  <body class="calibre1" id="a183">

<div class="page">

    <h1 class="book-chapter" id="a178">...</h1>
    <div class="section">
      <h1 id="a179" class="calibre8">...</h1>
<ul class="calibre9">
<li class="calibre10"><a href="https://1linelayouts.glitch.me/" target="_blank"
class="pcalibre2 calibre11 pcalibre1 pcalibre">1-Line Layouts</a></li>
<li class="calibre10"><a href="https://help.apple.com/app-store-connect/#/"
target="_blank" class="pcalibre2 calibre11 pcalibre1 pcalibre">App Store Connect
Help</a></li>
<li class="calibre10"><a href="https://medium.com/headout-engineering/advanced-
debugging-with-xcode-9eba2845232a" target="_blank" class="pcalibre2 calibre11
pcalibre1 pcalibre">Advanced Debugging with Xcode</a></li>
<li class="calibre10"><a
href="https://stackoverflow.com/questions/35127086/android-inapp-purchase-
receipt-validation-google-play" target="_blank" class="pcalibre2 calibre11
pcalibre1 pcalibre">Android : inApp purchase receipt validation google play</a>
</li>
<li class="calibre10"><a href="https://medium.com/@serverlessguru/best-practices-
for-serverless-development-d13061b3593e" target="_blank" class="pcalibre2
calibre11 pcalibre1 pcalibre">Best Practices for Serverless Development</a></li>
<li class="calibre10"><a href="https://semver.org/" target="_blank"
class="pcalibre2 calibre11 pcalibre1 pcalibre">Semantic Versioning 2.0.0</a></li>
<li class="calibre10"><a href="https://github.com/serverless/examples"
target="_blank" class="pcalibre2 calibre11 pcalibre1 pcalibre">Serverless
Example</a></li>
<li class="calibre10"><a href="http://gen.lib.rus.ec/" target="_blank"
class="pcalibre2 calibre11 pcalibre1 pcalibre">Gen Book Download</a></li>
<li class="calibre10"><a href="http://www.abarrak.com/2019/05/24/uuid-primary-
key-for-active-record-models" target="_blank" class="pcalibre2 calibre11
pcalibre1 pcalibre">Using UUIDs as Primary Key for Active Record Models</a></li>
<li class="calibre10"><a
href="https://stackoverflow.com/questions/4937184/intellij-idea-global-search"
target="_blank" class="pcalibre2 calibre11 pcalibre1 pcalibre">IntelliJ IDEA
global search</a></li>
<li class="calibre10"><a href="https://www.freecodecamp.org/news/the-10-most-
popular-coding-challenge-websites-of-2016-fb8a5672d22f/" target="_blank"
class="pcalibre2 calibre11 pcalibre1 pcalibre">The 10 most popular coding
challenge websites for 2020</a></li>
<li class="calibre10"><a href="https://app-manifest.firebaseio.com/"
target="_blank" class="pcalibre2 calibre11 pcalibre1 pcalibre">Generator Manifest
JSON</a></li>
<li class="calibre10"><a href="https://blog.tcs.de/clear-flush-cache-manifest-
file-in-chrome/" target="_blank" class="pcalibre2 calibre11 pcalibre1
pcalibre">Clear / Flush the cache.manifest file in Google Chrome</a></li>
<li class="calibre10"><a href="https://trendblog.net/enable-disable-developer-
options-android/" target="_blank" class="pcalibre2 calibre11 pcalibre1
pcalibre">How to enable, disable developer options android</a></li>
<li class="calibre10"><a
href="https://til.secretgeek.net/gitbook/use_gitbook_locally.html"
target="_blank" class="pcalibre2 calibre11 pcalibre1 pcalibre">Use gitbook

```

```

locally</a></li>
</ul>
<h3 id="a180" class="calibre13">Endpoint</h3>
<ul class="calibre9">
<li class="calibre10"><a href="https://github.com/toddmotto/public-apis"
target="_blank" class="pcalibre2 calibre11 pcalibre1 pcalibre">Public APIs</a> by
Todd Motto</li>
</ul>
<h4 id="a181" class="calibre13">Whatsapp API</h4>
<ul class="calibre9">
<li class="calibre10"><a href="https://wablas.com/documentation" target="_blank"
class="pcalibre2 calibre11 pcalibre1 pcalibre">Wablas</a></li>
</ul>
<h4 id="a182" class="calibre13">E Pay</h4>
<ul class="calibre9">
<li class="calibre10"><a href="https://www.artajasa.co.id/" target="_blank"
class="pcalibre2 calibre11 pcalibre1 pcalibre">Artajasa</a></li>
<li class="calibre10"><a href="https://easypay.co.id/" target="_blank"
class="pcalibre2 calibre11 pcalibre1 pcalibre">Easypay</a></li>
</ul>

</div>

</div>

```

```

<div id="wCn8YgvJpvhuChTqyKXgXA" style="display:block !important; page-break-
before: always !important; break-before: always !important; white-space: pre-wrap
!important">

<a href="#a178" style="min-width: 10px !important; min-height: 10px !important;
border: solid 1px !important;"> </a>
<a href="#a179" style="min-width: 10px !important; min-height: 10px !important;
border: solid 1px !important;"> </a> <a href="#a181" style="min-width: 10px
!important; min-height: 10px !important; border: solid 1px !important;"> </a> <a
href="#a180" style="min-width: 10px !important; min-height: 10px !important;
border: solid 1px !important;"> </a> <a href="#a182" style="min-width: 10px
!important; min-height: 10px !important; border: solid 1px !important;"> </a> <a
href="#a183" style="min-width: 10px !important; min-height: 10px !important;
border: solid 1px !important;"> </a> <a href="#wCn8YgvJpvhuChTqyKXgXA"
style="min-width: 10px !important; min-height: 10px !important; border: solid 1px
!important;"> </a> </div></body></html>

```

## Catatan Seekor: POSTGRESQL

### Link

- [Faster JSON Generation with PostgreSQL](#)
- [How to create prepared statements in Sequelize?](#)
- [PostgreSQL SQL Tricks](#)
- [Practical Persistence in Go: Organising Database Access](#)
- [Sequelize ORM npm library found vulnerable to SQL Injection attacks](#)
- [What are '\\$\\$' used for in PL/pgSQL](#)
- [PostgreSQL Query As Json](#)

### Stackoverflow

- [Syntax error at end of input in PostgreSQL](#)
- [psql: FATAL: role "postgres" does not exist](#)

## Catatan Seekor: MySQL

### Article

- [MySQL Error codes](#)

## **Catatan Seekor: MongoDB**



# Refferensi

## Article

- [Learn MongoDB: CRUD Basics](#)

## Catatan Seekor: Docker

- [Stop and remove all docker containers and images](#)
- [Docker on Windows \(Boot2Docker\) - certificate signed by unknown authority error](#)

## Catatan Seekor: DEVOPS

- [8 Tips for Containerizing Django Apps](#)
- [A Complete List of HTTP Status Lines](#)
- [Application Logs from Kubernetes to S3 and Elasticsearch using Fluentd](#)
- [Best Practices for Logging in Docker Swarm](#)
- [Configure logging drivers](#)
- [Docker Reference Architecture: Docker Logging Design and Best Practices](#)
- [Top 10 Docker Logging Gotchas](#)
- [Quick DevOps](#)
- [Membuat VPS di Google Cloud Platform](#)
- [How to Install Rancher Docker Container Manager on CentOS 7](#)
- [Cara Install Dan Setup Rancher 2.x \(Latest\), Kubernetes/Docker Di Linux](#)
- [How do I find my SSH public key on Windows server? \[closed\]](#)
- [How to install Apache, PHP 7.3 and MySQL on CentOS 7.6](#)
- [How to Install and Use PHP Composer on CentOS 7](#)
- [How To Import and Export Databases in MySQL or MariaDB](#)

## Tools

- [CloudCraft](#)

# List Response Code HTTP

## 1xx | Informational

Value	Description
100	Continue
101	Switching Protocols

## 2xx | Successful

Value	Description
200	OK
201	Created
202	Accepted
203	Non-Authoritative Information
204	No Content
205	Reset Content
206	Partial Content

## 3xx | Redirection

Value	Description
300	Multiple Choices
301	Moved Permanently
302	Found
303	See Other
304	Not Modified
305	Use Proxy
306	(Unused)
307	Temporary Redirect

## 4xx | Client Error

Value	Description
400	Bad Request
401	Unauthorized
402	Payment Required
403	Forbidden
404	Not Found
405	Method Not Allowed
406	Not Acceptable
407	Proxy Authentication Required
408	Request Timeout
409	Conflict
410	Gone
411	Length Required
412	Precondition Failed
413	Request Entity Too Large
414	Request-URI Too Long
415	Unsupported Media Type
416	Requested Range Not Satisfiable
417	Expectation Failed
426	Upgrade Required

## 5xx | Server Error

Value	Description
500	Internal Server Error
501	Not Implemented
502	Bad Gateway
503	Service Unavailable
504	Gateway Timeout
505	HTTP Version Not Supported

## Reff

- [RFC HTML Response Status Codes](#)
- [W3 Status Code Definitions](#)

## List Transaction Code

Code	Response	Detail
00	Transaction Approved	
01	Refer to card issuer	
02	Refer to card issuer, special condition	
03	Invalid merchant or service provider	
04	Pick up card (no fraud)	
05	Do not honor	
06	General error	<p>The customer's card issuer has declined the transaction as there is a problem with the card number. The customer should contact their card issuer and/or use an alternate card.</p> <p>Note: This response code can also be returned via the Rapid API if you run a transaction query prior to the transaction being completed.</p>
07	Pick up card, special condition (fraud account)	
08	Honour with Identification	Transaction processed successfully - identification NOT required. This code is returned by some banks in place of 00 response.

### Reff

- [https://developer.visa.com/guides/request\\_response\\_codes](https://developer.visa.com/guides/request_response_codes)
- <https://go.eway.io/s/article/Bank-Response-Codes-Responses-00-to-38>
- <https://go.eway.io/s/article/Bank-Response-Codes-39-to-96>
- <https://developers.google.com/standard-payments/v1/fops/card/response-codes>

## Catatan Seekor: AWS

### Link

- [Building CICD pipelines for serverless microservices using the AWS CDK](#)
- [How To Build a Serverless CI/CD Pipeline On AWS](#)

## Catatan Seekor: GIT

### Link

- [Caching your GitHub password in Git](#)
- [git - the simple guide](#)
- [How to ignore files already managed with Git locally](#)



## Catatan Seekor: TOOL

Link

- [Chmod](#)

## Catatan Seekor: LINUX

### For check open port linux

```
netstat -ntulp
```

- [Enable SSH Server on Debian](#)
- [\\*\\*\\*\\*How do I change permissions for a folder and all of its subfolders and files in one step in Linux? \[closed\]](#)
- [Fix 'E: Could not get lock /var/lib/dpkg/lock' Error in Ubuntu \[Quick Tip\]](#)
- [How to kill a process running on particular port in Linux?](#)
- [update-java-alternatives vs update-alternatives --config java](#)

## Catatan Seekor: MACBOOK

### Link

- [MacBook Pro Touch Bar Stuck At Black Screen With Only Esc Showing? Here's The Fix](#)

## Catatan Seekor: DESIGN

### Reff

- [Freepik](#)
- [Pinterest](#)
- [pttrns.](#)

### Save The Date

- [Elli](#)
- [Greeting Island](#)

## Catatan Seekor: SEO

- [Menjelajahi galeri penelusuran](#)
- [5 Tips Mudah SEO untuk Developer](#)

## Catatan Seekor: ALGORITHM

### Link

- [Penjelasan Sederhana Tentang Time Complexity dan Big-O Notation](#)

# Catatan Seekor: KYUBI

## Lab

- [Hack This Site](#)

## Tools

- [BeEF](#)
- [I can see your local web servers](#)
- [Metasploit](#)
- [Sn1per](#)
- [SQLMAP](#)
- [SQL Ninja](#)
- [Qark](#)

## Links

- [Mutation XSS in Google Search](#) by Tomasz Nidecki
- [Web Penetration Testing](#) by Rajpal Singh
- [Bincang Cyber](#)
- [GPG Tutorial](#)
- [CVEDetails](#)

## Catatan Seekor: SOFTWARE

- [mas-13](#)