Table of Contents

DATABASE

Messaging

DEVOPS

VERSIONING

TOOL

OS

DESIGN

OTHER

Catatan Seekor: THE SERIES

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 = () => {};
```

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

Array

```javascript
iniArray = [];
```

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

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

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

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

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

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

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

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

```javascript
let data = [];

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

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

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

Object

```javascript
iniObject = {};
```

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

```javascript
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' ]
```

```javascript
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
```

```
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
```

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

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

```javascript
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

```javascript
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

```javascript
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
```

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

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

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

Declaration

```javascript
// 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

```javascript
// tidak bisa di gunakan sebelum deklarasi function
console.log(iniFunctionExpressions()); // RefferenceError: iniFunctionExpressi

// 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

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

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

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

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

Classes

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

```javascript
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 favorit
  };
}

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

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

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

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

```javascript
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

```javascript
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

```javascript
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.toDateString()) ;          // 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 (W

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
- Use console.log() like a pro

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. Kukuh
- You Dont Know JS by Kyle Simpson

Website

- Automation Step by Step
- Free Code Camp
- Free For Dev
- Javascripting (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

- Hacktiv8 Indonesia

Monitoring

- DataDog

Testing

- Acunetix
- Apium
- BlazeMeter
- Burp Suite
- K6
- Load Impact
- New Relic
- Security Headers
- Selenium
- Sn1per by 1N3
- Snyk
- Storybook
- Sqreen

Tools

- HTML to JSX
- Bundle Phobia

Tricks

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

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

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

```javascript
// 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);
```

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

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

Convert

```javascript
// 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}\
console.log(email.test('mahbubzulkarnain@domain.com')); // true
```

```
// validation password
// Min 6 characters which contain at least one numeric digit, one uppercase let
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]+([
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

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
```

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"
```

Refferensi

Article

- 5 Ways to Live Reloading Go Applications
- Allocation efficiency in high-performance Go services
- Awesome Docker
- A Microservices Workflow with Golang and Gitlab CI
- A web framework written in Golang
- An Example of Using NSQ From Go
- API Resources for Go Developers
- Backend master class Series' Articles
- Beating JSON performance with Protobuf
- BogoToBogo
- Build app server send requests
- Build Web Application with Golang
- Building Docker Containers for Go Applications
- Dasar Pemrograman Golang
- Deploying a Go application on AWS EC2
- Escape Variables with Printf
- Everything you need to know about Packages in Go
- Firebase: Introducing the Cloud Messaging batch APIs in the Admin SDK
- Getting Started with Kafka in Golang
- Getting Started with Serverless Go
- Go standards and style guidelines
- Go tools and GitLab: How to do continuous integration like a boss
- Golang : Unit Test with Mocking Technique
- Golang & SOAP Based Services
- Golang and Gitlab continuous integration
- Golang Bot
- Golang Code
- Golang CI
- Golang Programs
- Gomock — unit testing made easy
- High Performance Go Workshop
- Hot Example
- How to use RegEx in GoLang
- Implementasi Kafka menggunakan Golang + Testing
- Install Golang on WSL
- Lambdas with GoLang — a technical guide
- Learn Go with Tests
- Membangun Realtime Canvas Drawing Dengan Go, Websocket dan P5.js
- Menggunakan MongoDB pada GOLANG
- gitlab-runner x509: certificate signed by unknown authority
- Practical Go: Real world advice for writing maintainable Go programs
- Protect Image File Using Encryption (Written in Go)
- Regular Expression to Check Indonesian MobilePhone Provider
- Response caching with Gin and Golang

- Security Best Practices: Symmetric Encryption with AES in Java and Android
- Setup Go Development Environment with VS Code and WSL on Windows
- Setup Windows 10 With WSL for Golang Development
- SOAP - WSDL request in Go Language
- Solving the "does not support indexing" error in a Go program
- Testing with GoMock: A Tutorial
- Tutorial Edge
- Unit Test (SQL) in Golang
- Unit Test in Golang
- 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

Docs

- [Golang](#)

Github

- awesome-auth

Stackoverflow

- Assigning null to JSON fields instead of empty strings
- cmd/go: cannot get anything from a private repository, x509: certificate signed by unknown authority on OS X
- 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

Tools

- JSON-TO-GO

Tricks

```go
func GetFuncName(fn interface{}) string {
    return runtime.FuncForPC(reflect.ValueOf(fn).Pointer()).Name()
}
```

```go
func CallFuncWithParams(jobFunc interface{}, params []interface{}) ([]reflect.\
    f := reflect.ValueOf(jobFunc)
    if len(params) != f.Type().NumIn() {
        return nil, errors.New("the number of params is not adapted")
    }

    in := make([]reflect.Value, len(params))
    for k, param := range params {
        in[k] = reflect.ValueOf(param)
    }

    return f.Call(in), nil
}
```

```go
func Currency(nominal interface{}) string {
    p := message.NewPrinter(language.Indonesian)
    return fmt.Sprintf("IDR %v", p.Sprint(nominal))
}
```

```go
func FNCheck(fn func() error) {
    if err := fn(); err != nil {
        fmt.Println(err.Error())
    }
}
```

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
- Send messages to multiple devices
- Work with data more securely across additional Android versions

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
- Fatal error: Call to undefined function ldap_connect() in ubuntu
- 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?

LDAP

CODE	Description
uid	UserID
cn	Common Name
sn	Sure Name
l	Location
ou	Organizational Unit
o	Organization
dc	Domain Component
st	State
c	Country

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="a209">

<div class="page">

        <h1 class="book-chapter" id="a204">...</h1>
        <div class="section">
            <h1 id="a205" class="calibre8">...</h1>
<ul class="calibre14">
<li class="calibre15"><a href="https://1linelayouts.glitch.me/" target="_blank"
class="pcalibre pcalibre1 calibre13 pcalibre2">1-Line Layouts</a></li>
<li class="calibre15"><a href="https://help.apple.com/app-store-connect/#/"
target="_blank" class="pcalibre pcalibre1 calibre13 pcalibre2">App Store Connect
Help</a></li>
<li class="calibre15"><a href="https://medium.com/headout-engineering/advanced-
debugging-with-xcode-9eba2845232a" target="_blank" class="pcalibre pcalibre1
calibre13 pcalibre2">Advanced Debugging with Xcode</a></li>
<li class="calibre15"><a
href="https://stackoverflow.com/questions/35127086/android-inapp-purchase-
receipt-validation-google-play" target="_blank" class="pcalibre pcalibre1
calibre13 pcalibre2">Android : inApp purchase receipt validation google play</a>
</li>
<li class="calibre15"><a href="https://medium.com/@serverlessguru/best-practices-
for-serverless-development-d13061b3593e" target="_blank" class="pcalibre
pcalibre1 calibre13 pcalibre2">Best Practices for Serverless Development</a></li>
<li class="calibre15"><a href="https://semver.org/" target="_blank"
class="pcalibre pcalibre1 calibre13 pcalibre2">Semantic Versioning 2.0.0</a></li>
<li class="calibre15"><a href="https://github.com/serverless/examples"
target="_blank" class="pcalibre pcalibre1 calibre13 pcalibre2">Serverless
Example</a></li>
<li class="calibre15"><a href="http://gen.lib.rus.ec/" target="_blank"
class="pcalibre pcalibre1 calibre13 pcalibre2">Gen Book Download</a></li>
<li class="calibre15"><a href="http://www.abarrak.com/2019/05/24/uuid-primary-
key-for-active-record-models" target="_blank" class="pcalibre pcalibre1 calibre13
pcalibre2">Using UUIDs as Primary Key for Active Record Models</a></li>
<li class="calibre15"><a
href="https://stackoverflow.com/questions/4937184/intellij-idea-global-search"
target="_blank" class="pcalibre pcalibre1 calibre13 pcalibre2">IntelliJ IDEA
global search</a></li>
<li class="calibre15"><a href="https://www.freecodecamp.org/news/the-10-most-
popular-coding-challenge-websites-of-2016-fb8a5672d22f/" target="_blank"
class="pcalibre pcalibre1 calibre13 pcalibre2">The 10 most popular coding
challenge websites for 2020</a></li>
<li class="calibre15"><a href="https://app-manifest.firebaseapp.com/"
target="_blank" class="pcalibre pcalibre1 calibre13 pcalibre2">Generator Manifest
JSON</a></li>
<li class="calibre15"><a href="https://blog.tcs.de/clear-flush-cache-manifest-
file-in-chrome/" target="_blank" class="pcalibre pcalibre1 calibre13
pcalibre2">Clear / Flush the cache.manifest file in Google Chrome</a></li>
<li class="calibre15"><a href="https://trendblog.net/enable-disable-developer-
options-android/" target="_blank" class="pcalibre pcalibre1 calibre13
pcalibre2">How to enable, disable developer options android</a></li>
<li class="calibre15"><a
href="https://til.secretgeek.net/gitbook/use_gitbook_locally.html"
target="_blank" class="pcalibre pcalibre1 calibre13 pcalibre2">Use gitbook
```

```
locally</a></li>
<li class="calibre15"><a href="https://www.itwonders-web.com/blog/push-
notification-using-firebase-demo-tutorial" target="_blank" class="pcalibre
pcalibre1 calibre13 pcalibre2">Tutorial: Web Push notification using Firebase</a>
</li>
<li class="calibre15"><a href="https://docs.microsoft.com/en-
us/azure/architecture/best-practices/api-design" target="_blank" class="pcalibre
pcalibre1 calibre13 pcalibre2">Web API design</a></li>
<li class="calibre15"><a href="https://mathieu.fenniak.net/the-api-checklist/"
target="_blank" class="pcalibre pcalibre1 calibre13 pcalibre2">The Web API
Checklist -- 43 Things To Think About When Designing, Testing, and Releasing your
API</a></li>
<li class="calibre15"><a href="https://stackoverflow.com/questions/12806386/is-
there-any-standard-for-json-api-response-format" target="_blank" class="pcalibre
pcalibre1 calibre13 pcalibre2">Is there any standard for JSON API response
format?</a></li>
</ul>
<h3 id="a206" class="calibre10">Endpoint</h3>
<ul class="calibre14">
<li class="calibre15"><a href="https://github.com/toddmotto/public-apis"
target="_blank" class="pcalibre pcalibre1 calibre13 pcalibre2">Public APIs</a> by
Todd Motto</li>
</ul>
<h4 id="a207" class="calibre10">Whatsapp API</h4>
<ul class="calibre14">
<li class="calibre15"><a href="https://wablas.com/documentation" target="_blank"
class="pcalibre pcalibre1 calibre13 pcalibre2">Wablas</a></li>
</ul>
<h4 id="a208" class="calibre10">E Pay</h4>
<ul class="calibre14">
<li class="calibre15"><a href="https://www.artajasa.co.id/" target="_blank"
class="pcalibre pcalibre1 calibre13 pcalibre2">Artajasa</a></li>
<li class="calibre15"><a href="https://easypay.co.id/" target="_blank"
class="pcalibre pcalibre1 calibre13 pcalibre2">Easypay</a></li>
</ul>


        </div>

</div>




<div id="mildLIyb3JppCY2a3C24f3" style="display:block !important; page-break-
before: always !important; break-before: always !important; white-space: pre-wrap
!important">

<a href="#a208" style="min-width: 10px !important; min-height: 10px !important;
border: solid 1px !important;"> </a>
<a href="#a209" style="min-width: 10px !important; min-height: 10px !important;
border: solid 1px !important;"> </a> <a href="#a207" style="min-width: 10px
!important; min-height: 10px !important; border: solid 1px !important;"> </a> <a
href="#a206" style="min-width: 10px !important; min-height: 10px !important;
border: solid 1px !important;"> </a> <a href="#a205" style="min-width: 10px
!important; min-height: 10px !important; border: solid 1px !important;"> </a> <a
href="#a204" style="min-width: 10px !important; min-height: 10px !important;
border: solid 1px !important;"> </a> <a href="#mildLIyb3JppCY2a3C24f3"
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

- A Basic MySQL Tutorial
- MySQL Error codes
- MySQL ON DUPLICATE KEY UPDATE for multiple rows insert in single query

Catatan Seekor: MongoDB

Refferensi

Article

- How To Use Go with MongoDB Using the MongoDB Go Driver
- Learn MongoDB: CRUD Basics
- ****MongoDB Go Driver Tutorial

Catatan Seekor: RabbitMQ

- RabbitMQ Tutorials

Catatan Seekor: Docker

- Stop and remove all docker containers and images
- Docker on Windows (Boot2Docker) - certificate signed by unknown authority error
- ****Docker error - Error response from daemon: Error processing tar file: write /dir : no space left on device
- Docker rmi

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
- Ultimate list of Cheat Sheet for System Administrator
- Make RESTful API calls in Rancher/Docker without a port
- Docker orchestration with Rancher
- CentOS 7 VirtualBox no internet access
- How To Install / Enable OpenSSH On CentOS 7
- Update: Rancher 2.5 alone install k3s and can't start without privileged
- Reset (clean up) a Rancher Docker Host

Tools

- CloudCraft

Testing

- JMeter
- Vegeta

List Port

Common

PORT	Description
20, 21	FTP
22	SFTP/SSH
23	Telnet
25	SFTP
53	DNS
80	HTTP
110	POP3
161	SNMP
443	HTTPS
389	Lightweight Directory Access Protocol (LDAP)
636	Lightweight Directory Access Protocol with SSL (LDAP)
3389	Remote Desktop Protocol

Web Server

PORT	Description
5000	Registry Docker

Database

PORT	Description
1433	MS SQL
1521	Oracle Listener
3306	MySQL/MariaDB
5432	PostgreSQL
6379	Redis
11211	Memcached
27017	MongoDB
50000	DB2

Web Development

PORT	Description
3000	NodeJS, ReactJS
4200	AngularJS
9000	Golang

Messaging

PORT	Description
1414	MQ Listener
1364	IBM Connect: Direct
2181	Kafka Zookeeper Listener
4151	NSQ
7474	Tibco RV Daemon
8200	GoToMyPC
9092	Kafka Broker Listener
15672	RabbitMQ Web UI

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	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. Note: This response code can also be returned via the Rapid API if you run a transaction query prior to the transaction being completed.
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://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

```
<?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="a279">

<div class="page">

        <h1 class="book-chapter" id="a277">...</h1>
        <div class="section">
            <h1 id="a278" class="calibre8">...</h1>
<ul class="calibre14">
<li class="calibre15"><a href="https://www.osboxes.org/" target="_blank"
class="pcalibre pcalibre1 calibre13 pcalibre2">OSBoxes</a></li>
</ul>

        </div>

</div>




<div id="mildLIyb3JppCY2a3C24f3" style="display:block !important; page-break-
before: always !important; break-before: always !important; white-space: pre-wrap
!important">

<a href="#a277" style="min-width: 10px !important; min-height: 10px !important;
border: solid 1px !important;"> </a>
<a href="#a279" style="min-width: 10px !important; min-height: 10px !important;
border: solid 1px !important;"> </a> <a href="#a278" style="min-width: 10px
!important; min-height: 10px !important; border: solid 1px !important;"> </a> <a
href="#mildLIyb3JppCY2a3C24f3" style="min-width: 10px !important; min-height:
10px !important; border: solid 1px !important;"> </a> </div></body></html>
```

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