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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]
```

```
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
```

```javascript
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

```javascript
iniNull = null;
```

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

Undefined

```javascript
iniUndefined = undefined;
```

```javascript
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

```js
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

```js
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

```js
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/jsreftrycatch.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"
```

Fuoction

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

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

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

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

```javascript
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.'
```

```javascript
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 trave
```

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: iniFunctionExpressio

// 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

```
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 ${his.firstName}  ${his.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
```

```
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

```javascript
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

```javascript
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

```javascript
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'
```

Callbak

```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
```

Reffeensi

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
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- 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

StackOverflow

- 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)?
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- [JavaScript Indonesia Channel](#)

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- Node Printer for Local Only
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Trik

```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('mahbubalkarnain@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/mahbubalkarnain' )); // true
```

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

Catatan Seela 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
- Allocation efficiency in high-performance Go services
- 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 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
- Firebase: Introducing the Cloud Messaging batch APIs in the Admin SDK

- Getting Started with Kafka in Golang
- Getting Started with Serverless Go
- 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 Programs
- Gomock – unit testing made easy
- High Performance Go Workshop
- Hot Example
- How to use RegEx in GoLang
- Implementasi Kafka menggunakan Golang + Testing
- Lambdas with GoLang – a techical guide
- Learn Go with Tests
- Membangun Realtime Canvas Drawing Dengan Go, Websocket dan P5.js
- Menggunakan MongoDB pada GOLANG
- Practical Go: Real world advice for writing maintainable Go programs
- Regular Expression to Check Indonesian MobilePhone Provider
- Response caching with Gin and Golang
- 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

Articles

- 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

CICD

- GolangCI

41

Gitb

- awesome-auth

Dos

- Golang

Fundamental

Variables

VAR

```
var {variableName}{ypedata}
var {variableName}{ypedata}= {alue}

var {variableName} {ariableName2}{ypedata}
var {variableName} {ariableName2}{ypedata}= {alue} {alue2}
```

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
```

Tools

- JSON-TO-GO

Trik

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

```go
func CallFuncWithParams(jobFunc interface{}, params [] interface{}) ([]reflect.V
    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 Seerbar PYTHON

Link

- [Fullstack Python](#)

Django

Links

- Django Project
- PEP 8 – a 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

Website

- Android Hive by Ravi Tamada

Catatan Seek 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 though 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 BZ2
- 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	Desption
uid	UserID
cn	Common Name
sn	Sure Name
l	Location
ou	Organiational Unit
o	Organiation
dc	Domain Component
st	State
c	Country

Catatan Seed 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 Seed or SW

- 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="a192">


<div class="page">


        <h1 class="book-chapter" id="a187">...</h1>
        <div class="section">
            <h1 id="a188" class="calibre8">...</h1>
<ul class="calibre14">
<li class="calibre15"><a href="https://1linelayouts.glitch.me/" target="_blank"
class="pcalibre2 pcalibre1 pcalibre calibre13">1-Line Layouts</a></li>
<li class="calibre15"><a href="https://help.apple.com/app-store-connect/#/"
target="_blank" class="pcalibre2 pcalibre1 pcalibre calibre13">App Store Connect
Help</a></li>
<li class="calibre15"><a href="https://medium.com/headout-engineering/advanced-
debugging-with-xcode-9eba2845232a" target="_blank" class="pcalibre2 pcalibre1
pcalibre calibre13">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="pcalibre2 pcalibre1
pcalibre calibre13">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="pcalibre2
pcalibre1 pcalibre calibre13">Best Practices for Serverless Development</a></li>
<li class="calibre15"><a href="https://semver.org/" target="_blank"
class="pcalibre2 pcalibre1 pcalibre calibre13">Semantic Versioning 2.0.0</a></li>
<li class="calibre15"><a href="https://github.com/serverless/examples"
target="_blank" class="pcalibre2 pcalibre1 pcalibre calibre13">Serverless
Example</a></li>
<li class="calibre15"><a href="http://gen.lib.rus.ec/" target="_blank"
class="pcalibre2 pcalibre1 pcalibre calibre13">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="pcalibre2 pcalibre1 pcalibre
calibre13">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="pcalibre2 pcalibre1 pcalibre calibre13">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="pcalibre2 pcalibre1 pcalibre calibre13">The 10 most popular coding
challenge websites for 2020</a></li>
<li class="calibre15"><a href="https://app-manifest.firebaseapp.com/"
target="_blank" class="pcalibre2 pcalibre1 pcalibre calibre13">Generator Manifest
JSON</a></li>
<li class="calibre15"><a href="https://blog.tcs.de/clear-flush-cache-manifest-
file-in-chrome/" target="_blank" class="pcalibre2 pcalibre1 pcalibre
calibre13">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="pcalibre2 pcalibre1 pcalibre
calibre13">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="pcalibre2 pcalibre1 pcalibre calibre13">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="pcalibre2
pcalibre1 pcalibre calibre13">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="pcalibre2
pcalibre1 pcalibre calibre13">Web API design</a></li>
<li class="calibre15"><a href="https://mathieu.fenniak.net/the-api-checklist/"
target="_blank" class="pcalibre2 pcalibre1 pcalibre calibre13">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="pcalibre2
pcalibre1 pcalibre calibre13">Is there any standard for JSON API response format?
</a></li>
</ul>
<h3 id="a189" class="calibre10">Endpoint</h3>
<ul class="calibre14">
<li class="calibre15"><a href="https://github.com/toddmotto/public-apis"
target="_blank" class="pcalibre2 pcalibre1 pcalibre calibre13">Public APIs</a> by
Todd Motto</li>
</ul>
<h4 id="a190" class="calibre10">Whatsapp API</h4>
<ul class="calibre14">
<li class="calibre15"><a href="https://wablas.com/documentation" target="_blank"
class="pcalibre2 pcalibre1 pcalibre calibre13">Wablas</a></li>
</ul>
<h4 id="a191" class="calibre10">E Pay</h4>
<ul class="calibre14">
<li class="calibre15"><a href="https://www.artajasa.co.id/" target="_blank"
class="pcalibre2 pcalibre1 pcalibre calibre13">Artajasa</a></li>
<li class="calibre15"><a href="https://easypay.co.id/" target="_blank"
class="pcalibre2 pcalibre1 pcalibre calibre13">Easypay</a></li>
</ul>


        </div>

</div>




<div id="ERgQrWH9u2xbNYxLWU83C" style="display:block !important; page-break-
before: always !important; break-before: always !important; white-space: pre-wrap
!important">

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<a href="#a188" style="min-width: 10px !important; min-height: 10px !important;
border: solid 1px !important;"> </a> <a href="#a189" style="min-width: 10px
!important; min-height: 10px !important; border: solid 1px !important;"> </a> <a
href="#a192" style="min-width: 10px !important; min-height: 10px !important;
border: solid 1px !important;"> </a> <a href="#a191" style="min-width: 10px
!important; min-height: 10px !important; border: solid 1px !important;"> </a> <a
href="#a190" style="min-width: 10px !important; min-height: 10px !important;
border: solid 1px !important;"> </a> <a href="#ERgQrWH9u2xbNYxLWU83C"
style="min-width: 10px !important; min-height: 10px !important; border: solid 1px
!important;"> </a> </div></body></html>
```

Catatan Seputar 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 Seelan MySQL

Atile

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

Catatan Seeder MongoDB

Reffeensi

Atite

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

Catatan Seelor RabbitMQ

- [RabbitMQ Tutorials](#)

Catatan Seelaru Doker

- 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 Seed 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 Pot

Com

PORT	Desition
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 Ser

PORT	Desition
5000	Registry Docker

Database

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

Web Developmt

PORT	Desiption
3000	NodeJS, ReactJS
4200	AngularJS
9000	Golang

Messaging

PORT	Desiption
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

1 Informational

Value	Description
100	Continue
101	Switching Protocols

2 Successful

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

3 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

4 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

5 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 Tansation Code

Code	Respnse	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 reqired. This code is returned by some banks in place of 00 response.

Reff

- ttps://developer.visa.com/guides/reqestresponsecodes
- ttps://go.eway.io/s/article/Bank-Response-Codes-Responses-00-to-38
- ttps://go.eway.io/s/article/Bank-Response-Codes-39-to-96
- ttps://developers.google.com/standard-payments/v1/fops/card/response-codes

Catatan Seebr A W

Link

- Building CICD pipelines for serverless microservices using th A WS CDK
- How To Build a Serverless CI/CD Pipeline On AWS

Catatan Seeor GIT

Link

- Caching your GitHub password in Git
- git - the simple guide
- How to ignore files already managed with Git locally

Catatan Seeker TOOL

Link

- [Chmod](#)

Catatan Seeba LINUX

Frakoen pt linu

```
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 Seela MACBOOK

Link

- MacBook Pro TouchBar Stuck At Black Screen With Only Esc Showing? Here's To Fix

Catatan Seek DESIGN

Reff

- Freepik
- Pinterest
- pttrns.

Save Th Date

- Elli
- Greeting Island

Catatan Seo**ke**SEO

- Menjelajah galeri penelusuran
- 5 Tips Mudah SEO untuk Developer

Catatan Seer ALGORITHM

Link

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

Catatan Seehur MBI

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 Seeker SOFWARE

- mas-13