

Virtual Internship Experience

Documentation



**Core
Initiative**

Outline

- 1 Pengertian Code Documentation**
- 2 Kegunaan Code Documentation**
- 3 Cara Membuat Code Documentation**
- 4 Tools Code Documentation**

Pengertian **Code Documentation**

Code Documentation merupakan deskripsi tertulis yang mudah dipahami untuk menjelaskan apa yang dilakukan basis kode dan bagaimana basis kode dapat digunakan.



Senior developers

*Junior
Developer*

**Code Documentation
ditunjukkan untuk siapa?**

You

Teams & open source projects

Cara Membuat Code Documentation

1. Code

```
const A = ["Pizza", "Burger", "Tacos", "Spaghetti"];

function print(B){
  B.forEach((x,i)=>{
    console.log(i + ". " + x)
  })
}

print(A)
```

Bad Code

```
const Foods = ["Pizza", "Burger", "Tacos", "Spaghetti"];

function printMenu(Menus){
  Menus.forEach((Menu,index)=>{
    console.log(index + ". " + Menu)
  })
}

printMenu(Foods)
```

Better Code

Cara Membuat Code Documentation



2. Comment

Code dengan dokumentasi

```
// Variable contains food Menu
const A = ["Pizza","Burger","Tacos","Spaghetti"];

// Function to print menu
function print(B){

    // Loop and print foreach menu list item
    B.forEach((x,i)=>{
        console.log(i + ". " + x)
    })
}

// Run Function to print menu
print(A)
```

Code tanpa dokumentasi

```
const A = ["Pizza","Burger","Tacos","Spaghetti"];

function print(B){

    B.forEach((x,i)=>{
        console.log(i + ". " + x)
    })
}

print(A)
```

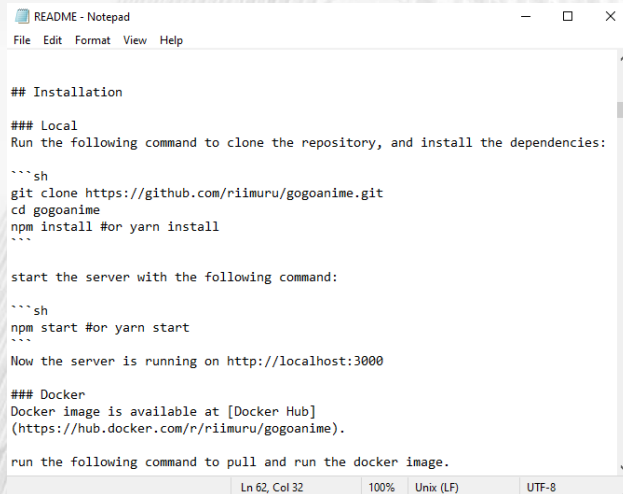
```
Python
# komentar satu baris
""" komentar lebih dari satu baris """

Javascript, Java, PHP dan C++
// komentar satu baris
/* komentar lebih dari satu baris */

HTML
<-- isi komentar -->
```

Cara Membuat Code Documentation

1. ReadMe File



```
## Installation

### Local
Run the following command to clone the repository, and install the dependencies:

```sh
git clone https://github.com/riimuru/gogoanime.git
cd gogoanime
npm install #or yarn install
```

start the server with the following command:

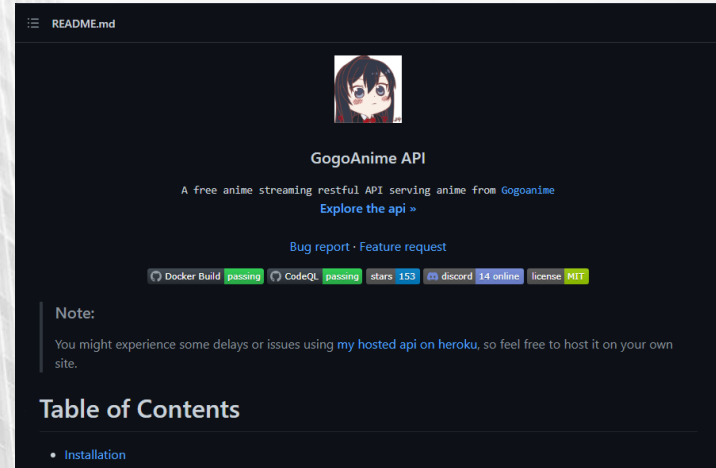
```sh
npm start #or yarn start
```

Now the server is running on http://localhost:3000

### Docker
Docker image is available at [Docker Hub]
(https://hub.docker.com/r/riimuru/gogoanime).

run the following command to pull and run the docker image.
```

Contoh ReadMe file



Contoh ReadMe file menggunakan Github

Hal yang harus diperhatikan

1. Memilih nama *Variable* dan *Function* dengan baik.
2. Meninggalkan Komentar Singkat.
3. Menggunakan bahasa yang diketik secara statis, seperti TypeScript
4. Deskripsikan setiap *class*, *method*, *API*, *argument* dan *return value*

“ Don’t assume that your users know what you know as well as what they want to know ”

Tools Code Documentation



Natural Docs



Doxygen

DREXPLAIN

DrExplain



Markdown

GhostDoc />

GhostDoc



How is it implemented in Core Initiative?

Daftar Pustaka

1. <https://www.olioapps.com/blog/the-value-of-code-documentation/#:~:text=Because%20it's%20in%20plain%20language,gets%20too%20complicated%20too%20quickly.>
2. <https://javanewbie.wordpress.com/2013/07/26/dokumentasi-aplikasi-merupakan-hal-yang-penting/>
3. <https://www.hongkiat.com/blog/why-documentation-essential/>
4. <https://webzid.com/pentingnya-dokumentasi-dalam-pemrograman/#:~:text=Dokumentasi%20mempermudah%20kita%20untuk%20share,memahami%20code%20yang%20kita%20buat.>
5. <https://medium.com/codexstories/tools-software-document-engineer-cb90f081d29d>



Thank You!

