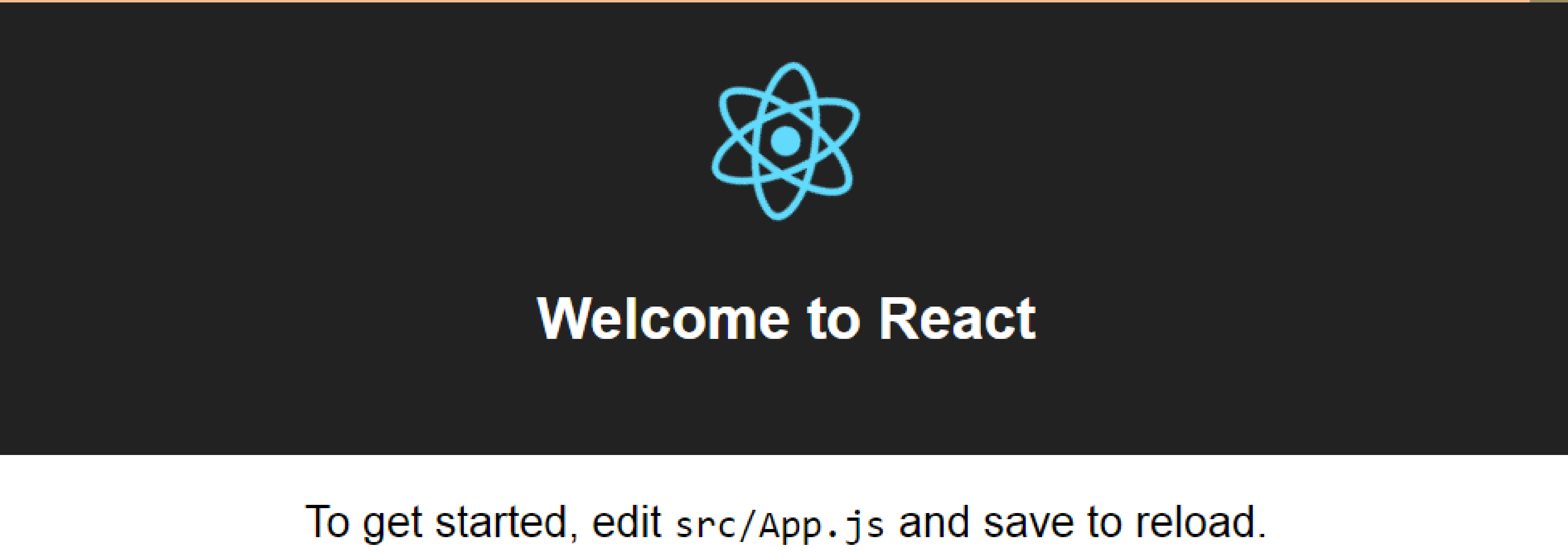
Front-End Development

React & Github

Deploy React App to Github Pages

Purwadhika
Startup and Coding School

https://lintangwisesa.github.io/linok/



Welcome to React

To get started, edit `src/App.js` and save to reload.

#1 Create/Prepare Your React App

- Install create-react-app utility globally on your PC (if you have not done yet before)

```
$ npm install -g create-react-app
```

- Create a new react app or prepare yours

```
$ create-react-app linok
$ cd linok
```

- Make sure that it runs successfully

```
$ npm start
```

- Make a deployment-ready file (optional)

```
$ npm run build
```

#2 Create Github SSH Keys

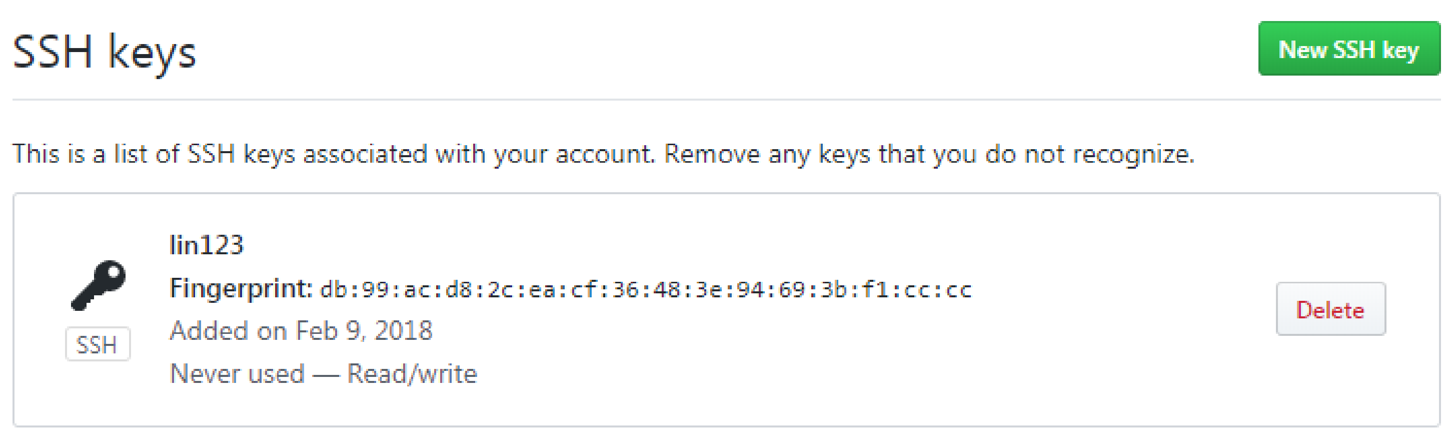
- Open *git bash*, then type:

```
$ cd ~/.ssh
$ ssh-keygen -t rsa -C "xyz@xyz.com"
```

- Open *id_rsa.pub* on VS code, then copy all of its content:

```
$ code id_rsa.pub
```

- Paste the lines on Github SSH key (*Account Settings > SSH & GPG Keys > New SSH Key*) then click Add SSH Key



SSH keys

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

lin123

Fingerprint: db:99:ac:d8:2c:ea:cf:36:48:3e:94:69:3b:f1:cc:cc

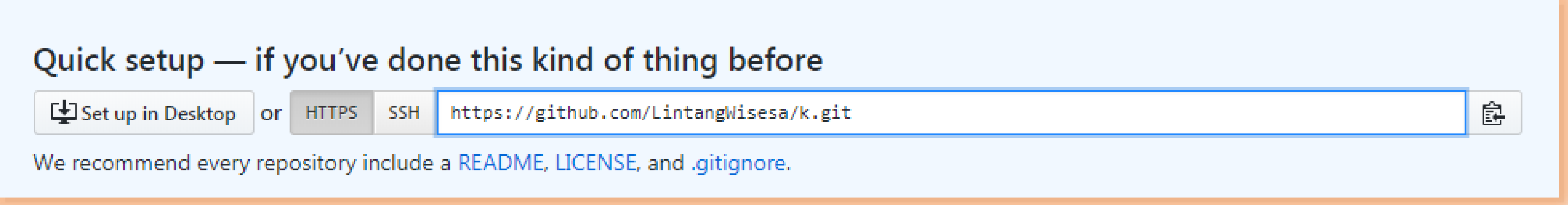
Added on Feb 9, 2018

Never used — Read/write

#3 Create a GitHub repo & push your app

- Create an **empty repo** in GitHub (it's better if ***repo name == project name***), without any files in it. Then add your project files to a new git repo, then push it:

```
$ git init
$ git add .
$ git commit -m "first commit"
$ git remote add origin <repo_url>
$ git push -u origin master
```



Quick setup — if you've done this kind of thing before

https://github.com/LintangWisesa/k.git

We recommend every repository include a README, LICENSE, and .gitignore.

- **Refresh** your repo page to make sure your app is now on GitHub.

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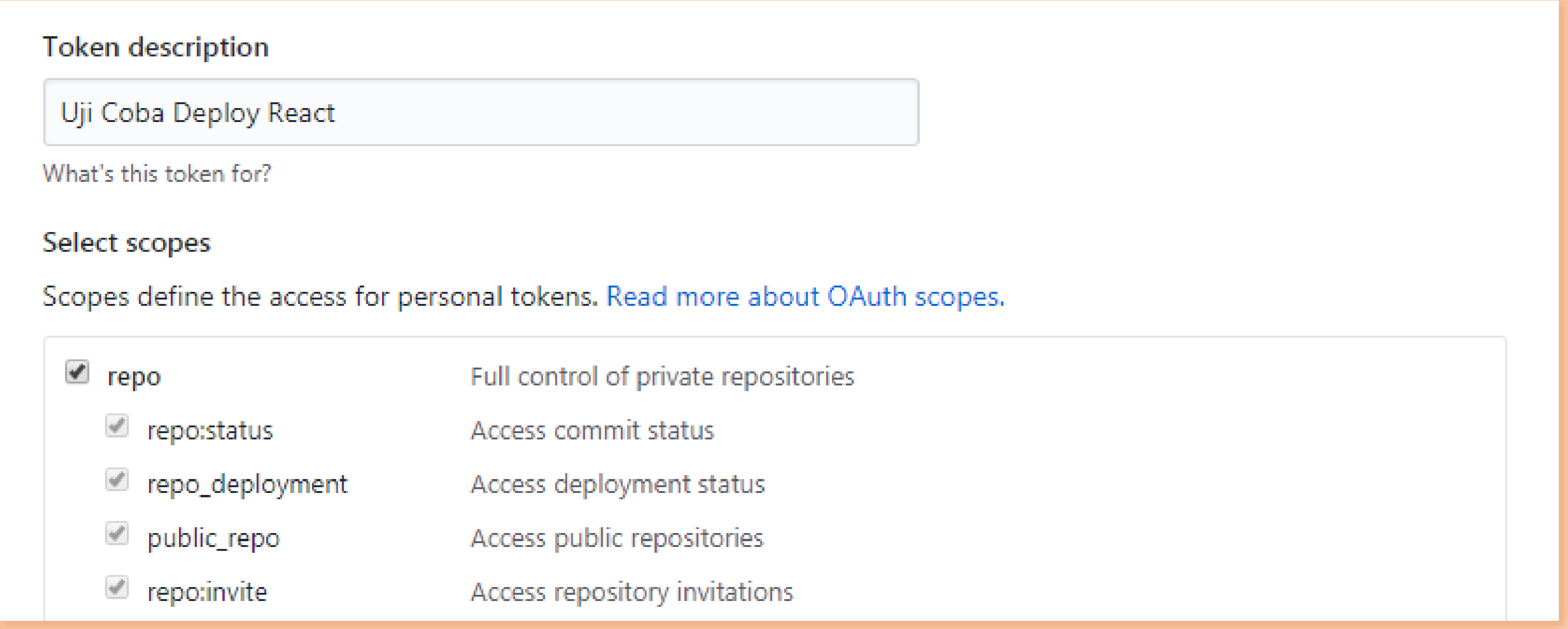
#4 Generate a GitHub token

- On GitHub, go to *Account Settings > Developer Settings > Personal Access Token*
- Click Generate New Token
- Set token description & check ***repo*** scopes
- Then click Generate token
- And finally save your new token for next step



Token description

Uji Coba Deploy React

What's this token for?

Select scopes

Scopes define the access for personal tokens. Read more about OAuth scopes.

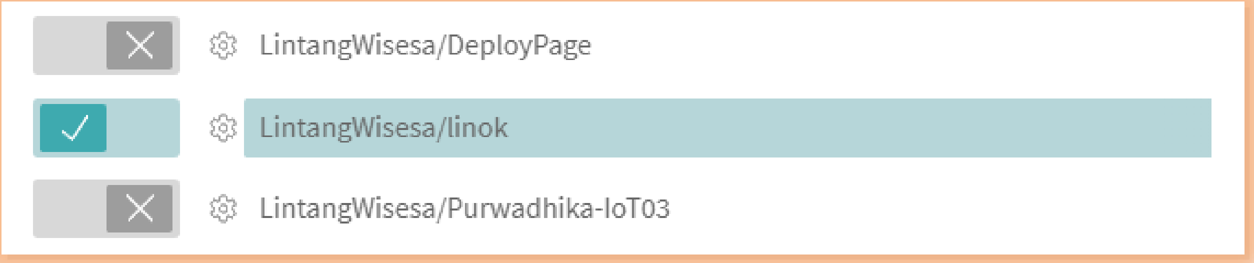
☑ repo	Full control of private repositories
☑ repo:status	Access commit status
☑ repo_deployment	Access deployment status
☑ public_repo	Access public repositories
☑ repo:invite	Access repository invitations

Travis CI is a hosted, distributed continuous integration service used to build and test software projects hosted at GitHub. Open source projects may be tested at no charge via ***travis-ci.org***.

To use it, first you have to integrate & log in to Travis CI (***travis-ci.org***) with your Github account!

#5 Link project to Travis CI

- Add your newly added GitHub project to Travis using the green switch.

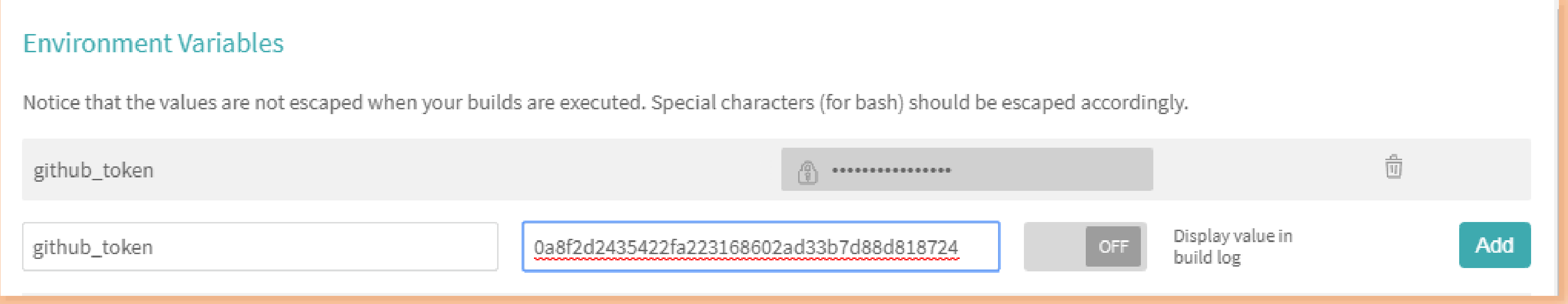


☒ LintangWisesa/DeployPage

☑ LintangWisesa/linok

☒ LintangWisesa/Purwadhika-IoT03

- Go to the project settings in Travis and add a new ***Environmental Variable***. Call the variable ***github_token***, and set the value to the token you got from GitHub.



Environment Variables

Notice that the values are not escaped when your builds are executed. Special characters (for bash) should be escaped accordingly.

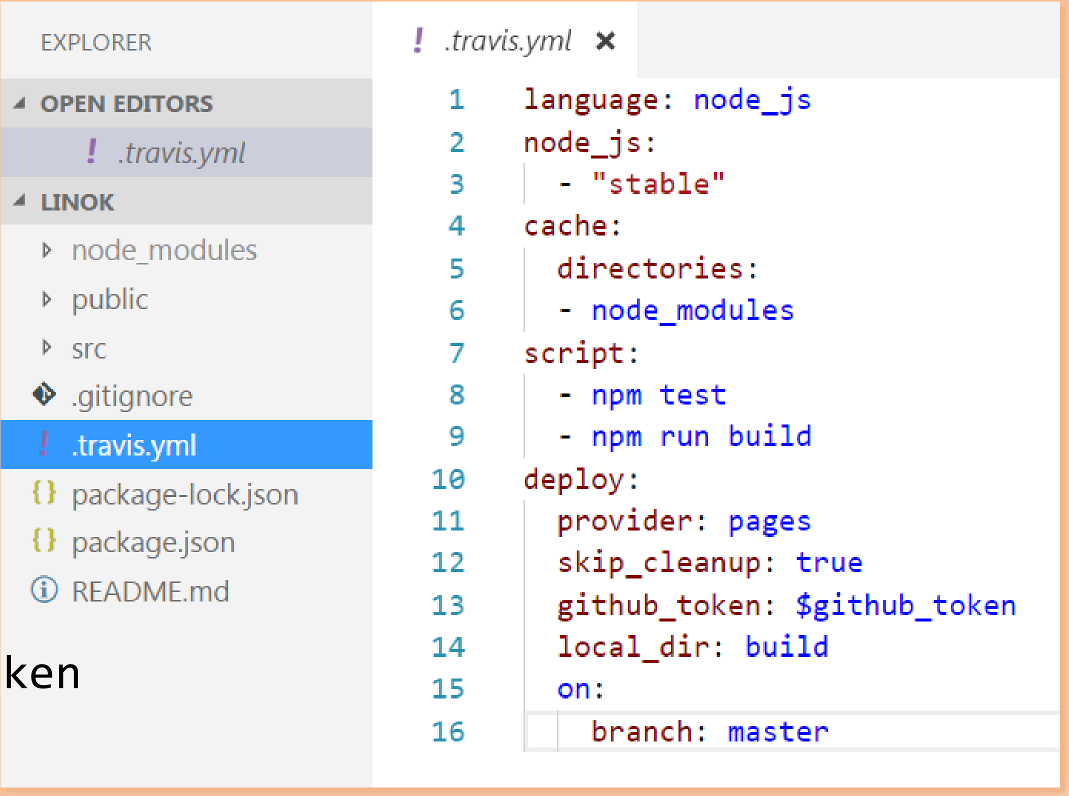
github_token ••••••••••••••••

github_token 0a8f2d2435422fa223168602ad33b7d88d818724 OFF Display value in build log

#6 Add .travis.yml File

- Create `.travis.yml` file to the root directory of your project, with content below:

```
language: node_js
node_js:
- "stable"
cache:
directories:
- node_modules
script:
- npm test
- npm run build
deploy:
provider: pages
skip_cleanup: true
github_token: $github_token
local_dir: build
on:
branch: master
```



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  - npm test
  - npm run build
deploy:
  provider: pages
  skip_cleanup: true
  github_token: $github_token
  local_dir: build
  on:
    branch: master
```

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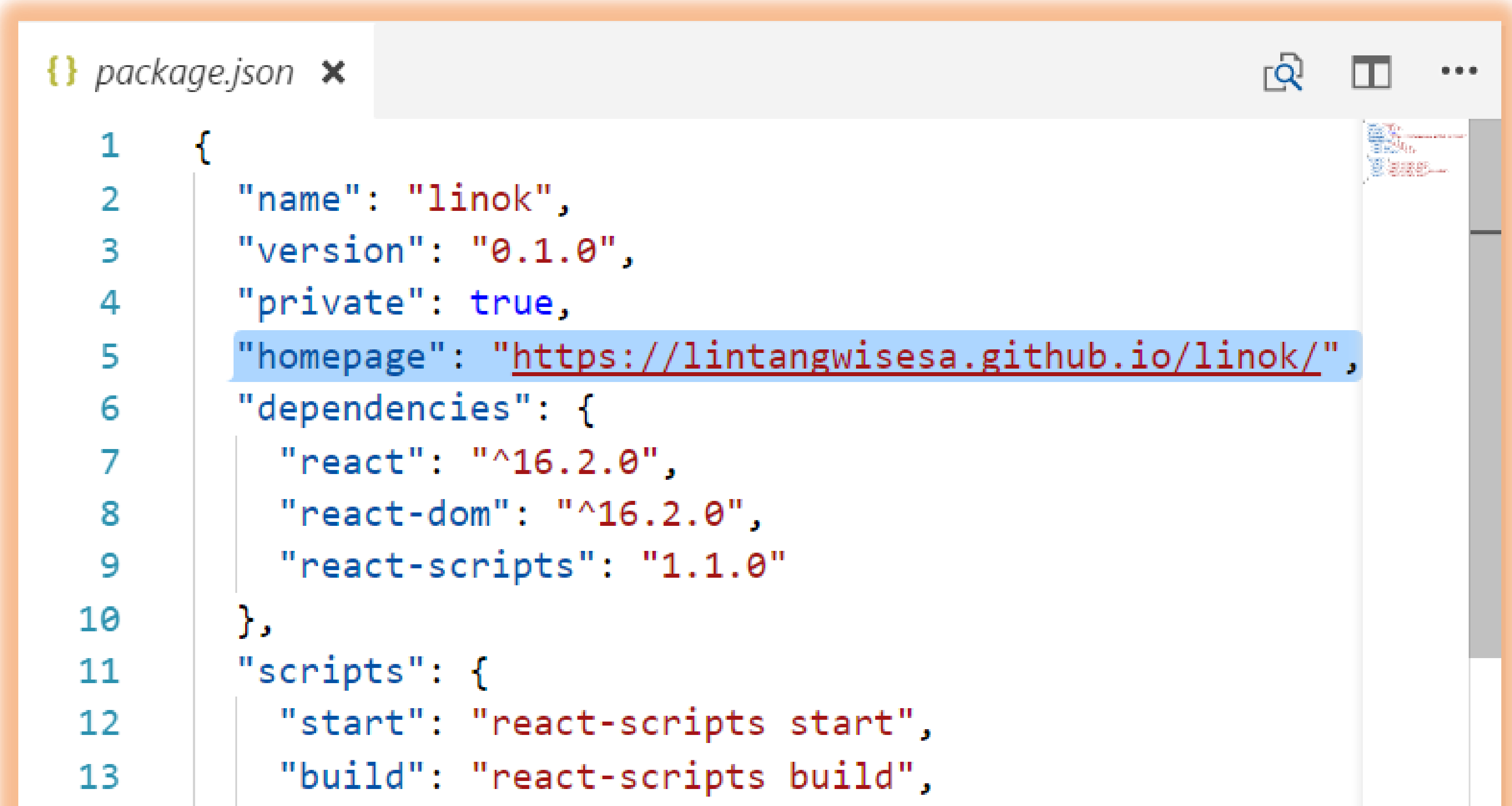
#7 Set the Homepage Address

- Edit your `package.json` file to add a new entry with the URL of your project:

```
"homepage": "https://USERNAME.github.io/PROJECT_NAME/"
```



```
{
  "name": "linok",
  "version": "0.1.0",
  "private": true,
  "homepage": "https://lintangwisesa.github.io/linok/",
  "dependencies": {
    "react": "^16.2.0",
    "react-dom": "^16.2.0",
    "react-scripts": "1.1.0"
  },
  "scripts": {
    "start": "react-scripts start",
    "build": "react-scripts build",
```

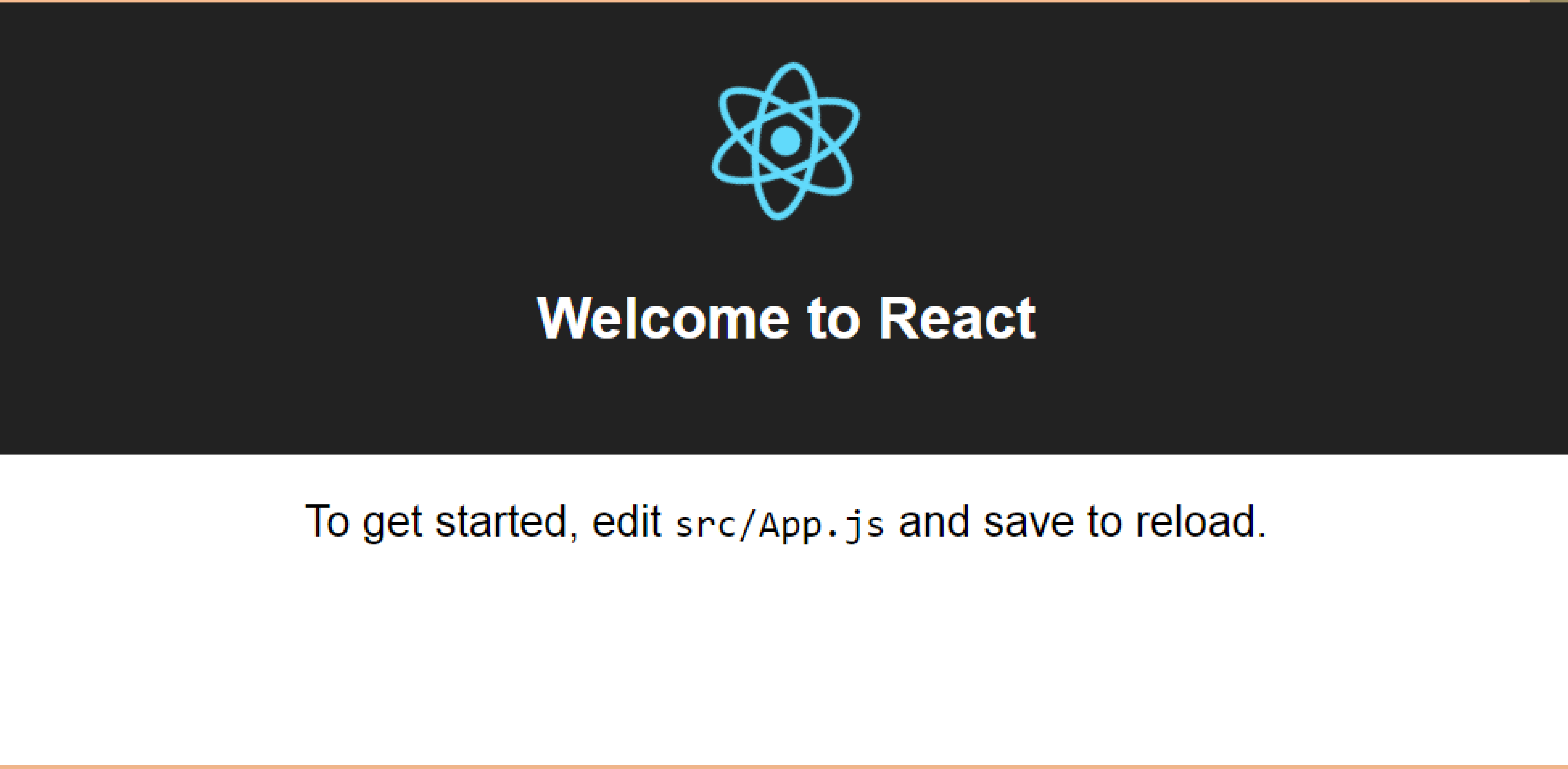
#8 Final Commit and Push

- Add the new `.travis.yml` file to git, commit the repo & push it to GitHub. Travis will start building, testing & deploying it.

```
$ git add .
$ git commit -m "Added travis & homepage"
$ git push origin master
```

- **All done!** Check the URL created above and you should see your app there.

https://lintangwisesa.github.io/linok/



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