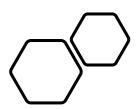
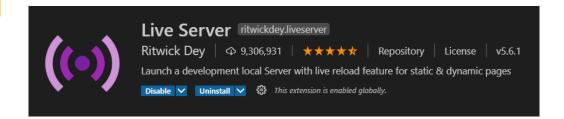


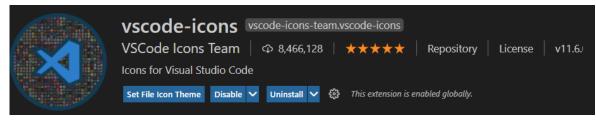
Software and Tools Preparation

Asst.Prof. Dr. Umaporn Supasitthimethee ผศ.ดร.อุมาพร สุภสิทธิเมธี

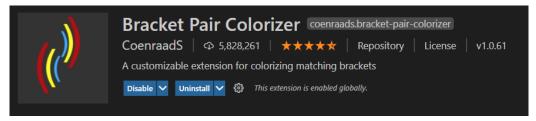


1. Preparing VSCode, Node.js and recommend extension











- Download and install VSCode Software https://code.visualstudio.com/
- Install extension
 - Live server
 - Formatter
 - Vscode-icons



Node.js Installation



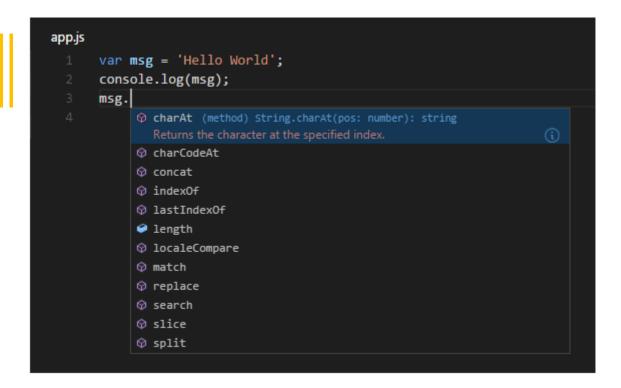
Node.js® is a JavaScript runtime built on Chrome's V8 JavaScript engine.

New security releases now available for 16.x, 14.x, and 12.x release lines

Download for Windows (x64)



Or have a look at the Long Term Support (LTS) schedule.



Running Hello World

It's simple to run app.js with Node.js. From a terminal, just type:

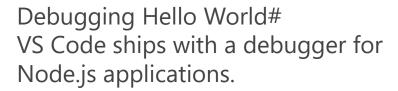
node app.js

Integrated Terminal

VS Code has an integrated terminal which you can use to run shell commands. You can run Node.js directly from there and avoid switching out of VS Code while running command-line tools.

View > Terminal (ctrl+` with the backtick character) will open the integrated terminal and you can run node app.js there:

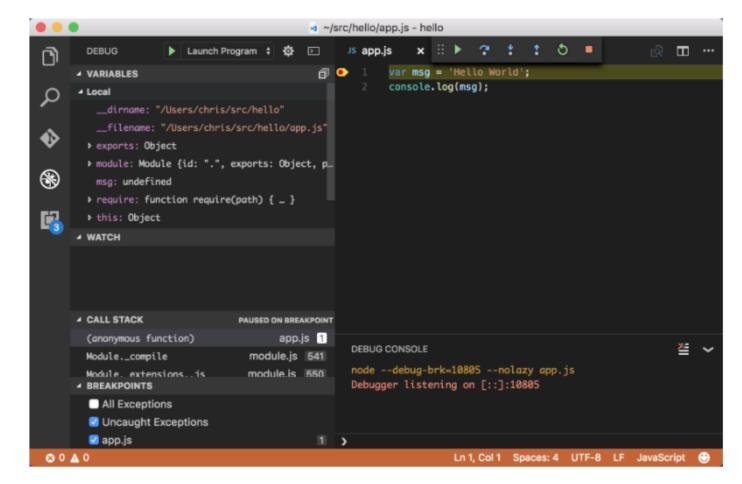


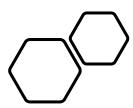




To start debugging, select the Run View in the Activity Bar:







2. Install your git software





git Git Version Control System Program

Visit https://git-scm.com/

Download and install git program

Test your git

```
git --version
```

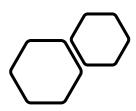
Set your user and email

```
git config --global user.name "Umaporn Supasitthimethee"
git config --global user.email "umaporn@sit.kmutt.ac.th"
```

Check your config list

```
git config --list
```





3. Create Git repo for your template files (local)



Create Git Repo for your template files (Local)

Create your local folder to store your project

```
mkdir <folder name>
```

Go to your folder and initial your local repository

```
cd <folder name>
git init
```

Open VSCode with current directory

```
code .
```



Create template files

- Create index.html
- Create README.md
- Create script.js



Save your version control (local)

- Ctrl + `(on/off terminal)
- Check your files status

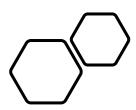
```
git status
```

Add your git

```
git add . | < specified files >
```

Commit your git

```
git commit -m "message"
```



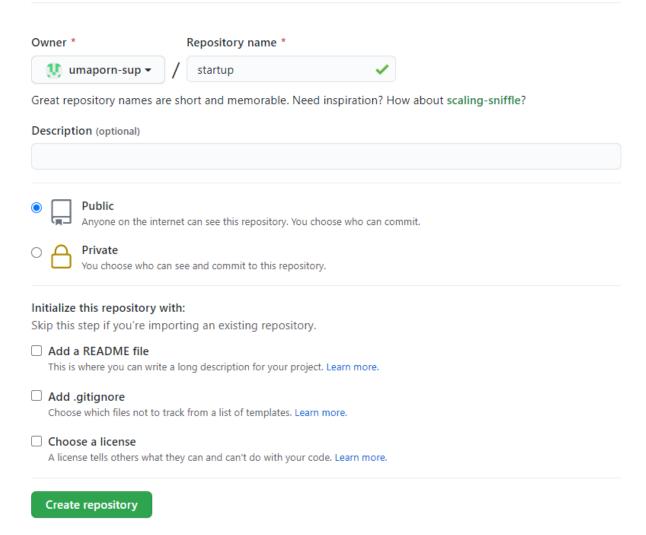
4. Create Git Repo and push for your template files (Remote Site)



Create Git Repo at Github (Remote Site)

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? Import a repository.





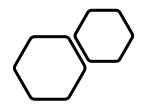
Add your remote site repo

Set your git remote

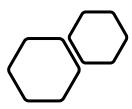
git remote add origin https://github.com/umaporn-sup/startup.git

Push your local git to remote repo

git push -u origin master



Start your working project



Clone your template to your new repo



Git Clone template project

- 1. Go to your (project) local directory
- 2. Use git clone command

```
git clone https://github.com/umaporn-sup/INT201_groupwork_template.git
```

3. Check your git remote status

```
git remote -v
```

4. Remove the owner remote git

```
git remote remove origin
```

- 5. Go to github and create your new repository
- 6. Add your git remote

```
git remote add origin https://github.com/student-name/INT201 groupwork.git
```

7. Push your git local to your github

```
git push -u origin master
```