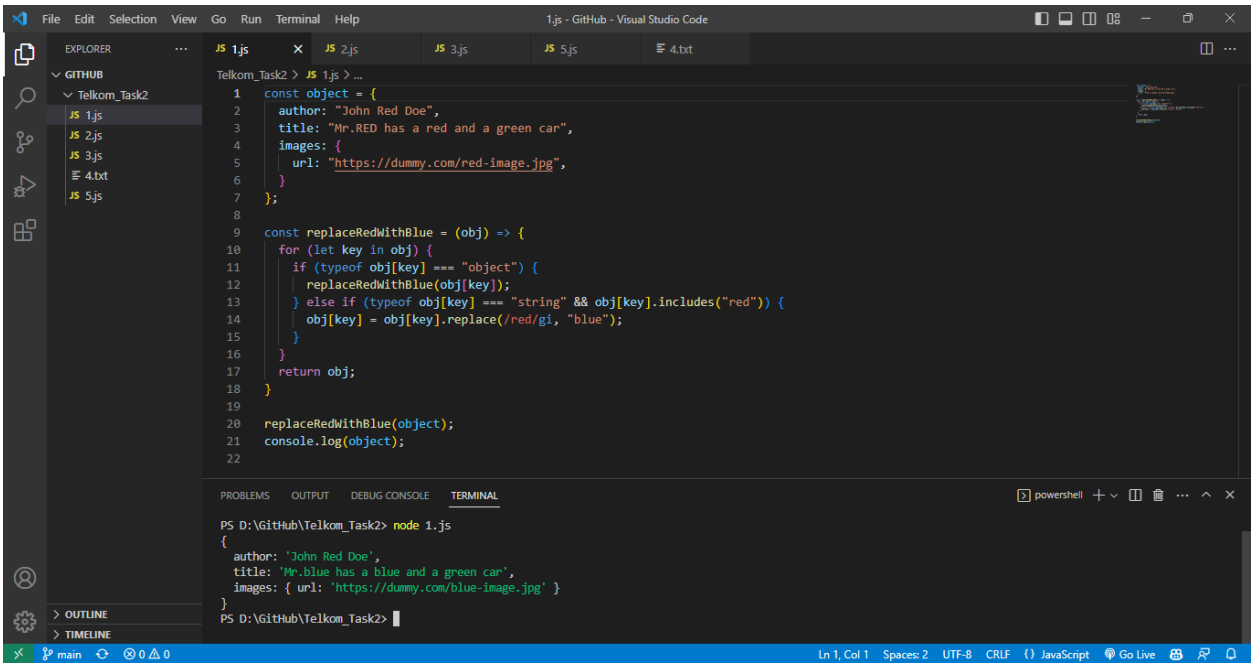
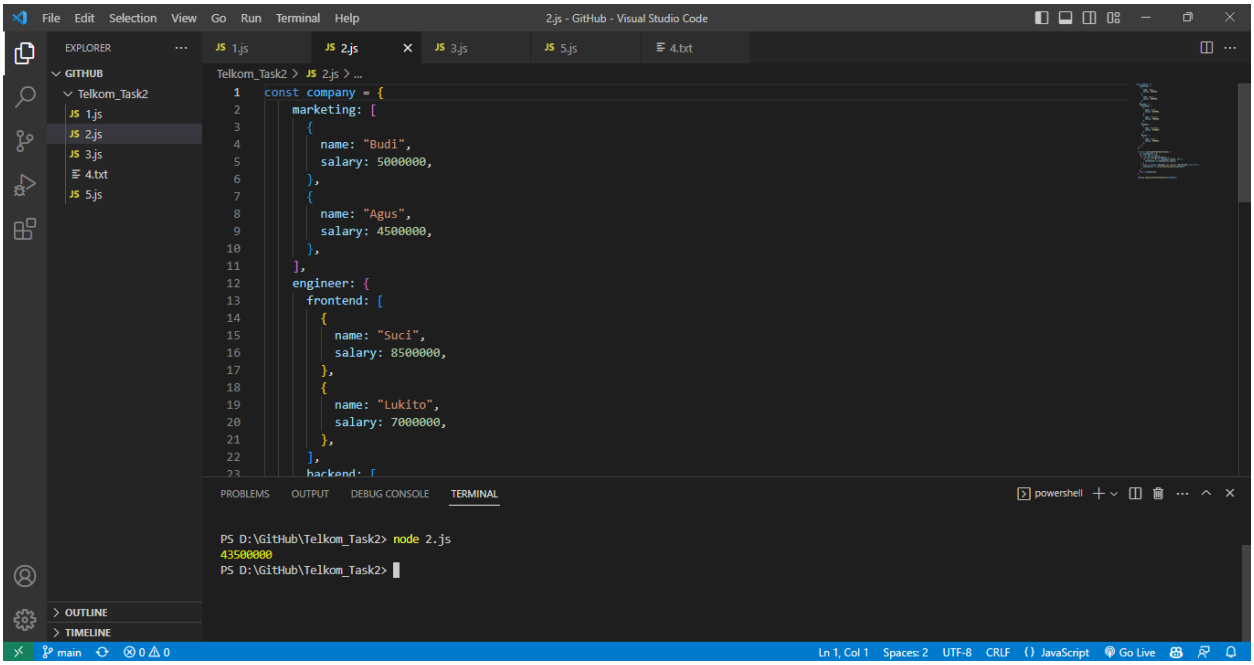
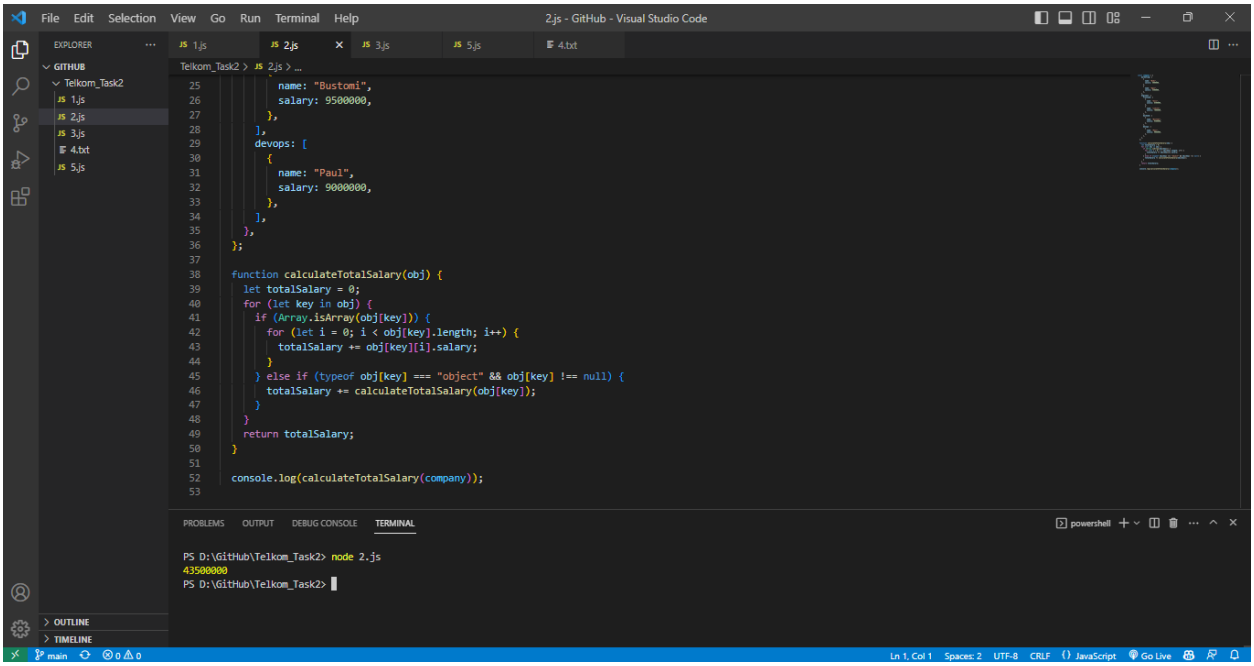
1.

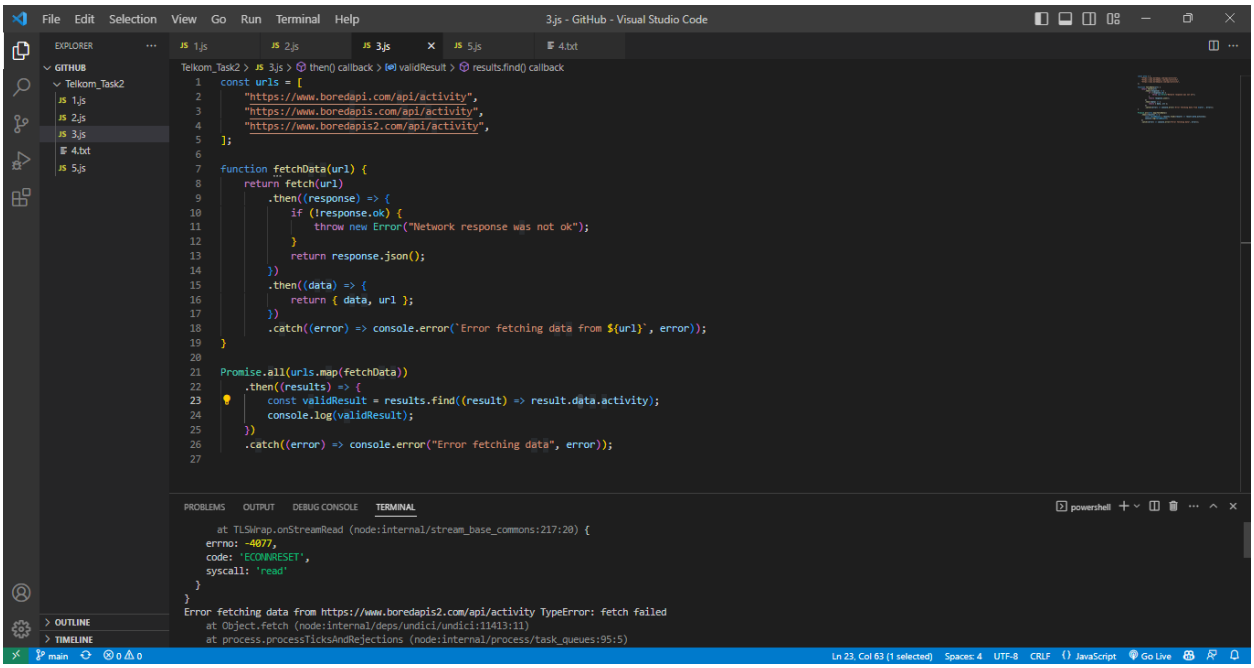

File Edit Selection View Go Run Terminal Help
1.js - GitHub - Visual Studio Code
EXPLORER
GITHUB
Telkom_Task2
1.js
2.js
3.js
4.txt
5.js
Telkom_Task2 > 1.js > ...
const object = {
author: "John Red Doe",
title: "Mr.RED has a red and a green car",
images: {
url: "https://dummy.com/red-image.jpg",
}
};
const replaceRedWithBlue = (obj) => {
for (let key in obj) {
if (typeof obj[key] === "object") {
replaceRedWithBlue(obj[key]);
} else if (typeof obj[key] === "string" && obj[key].includes("red")) {
obj[key] = obj[key].replace(/red/gi, "blue");
}
}
return obj;
}
replaceRedWithBlue(object);
console.log(object);
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
powershell
PS D:\GitHub\Telkom_Task2> node 1.js
{
author: 'John Red Doe',
title: 'Mr.blue has a blue and a green car',
images: { url: 'https://dummy.com/blue-image.jpg' }
}
PS D:\GitHub\Telkom_Task2>
OUTLINE
TIMELINE
main
Ln 1, Col 1 Spaces: 2 UTF-8 CRLF JavaScript Go Live

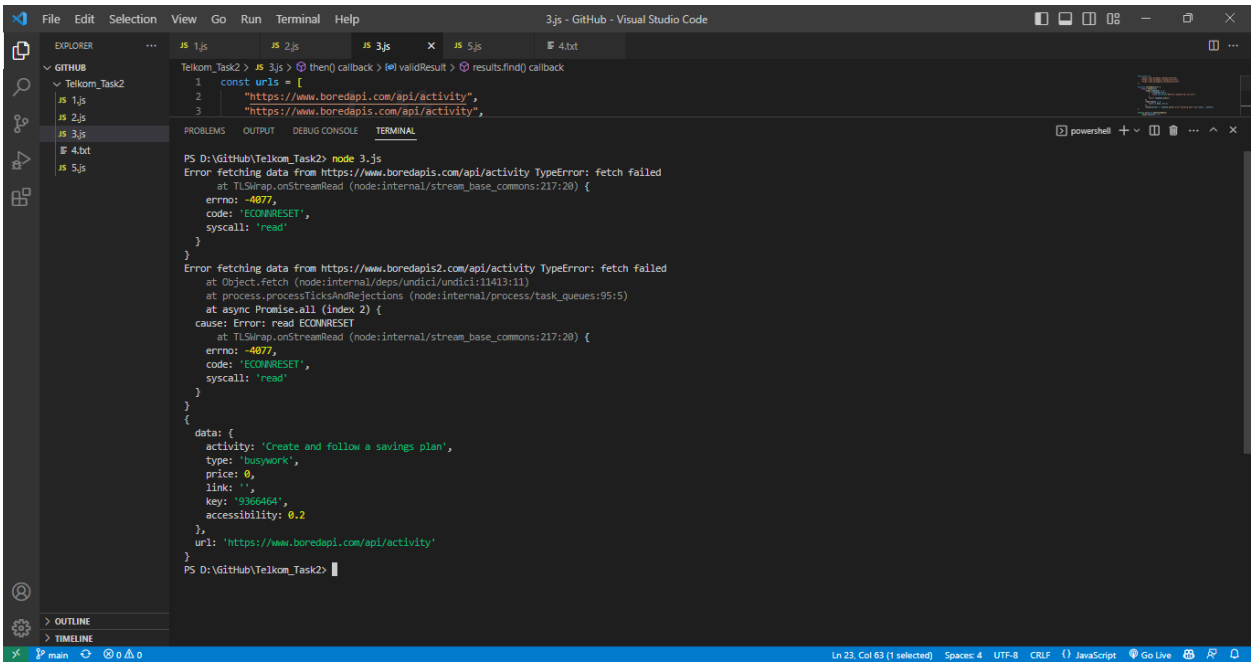
2.

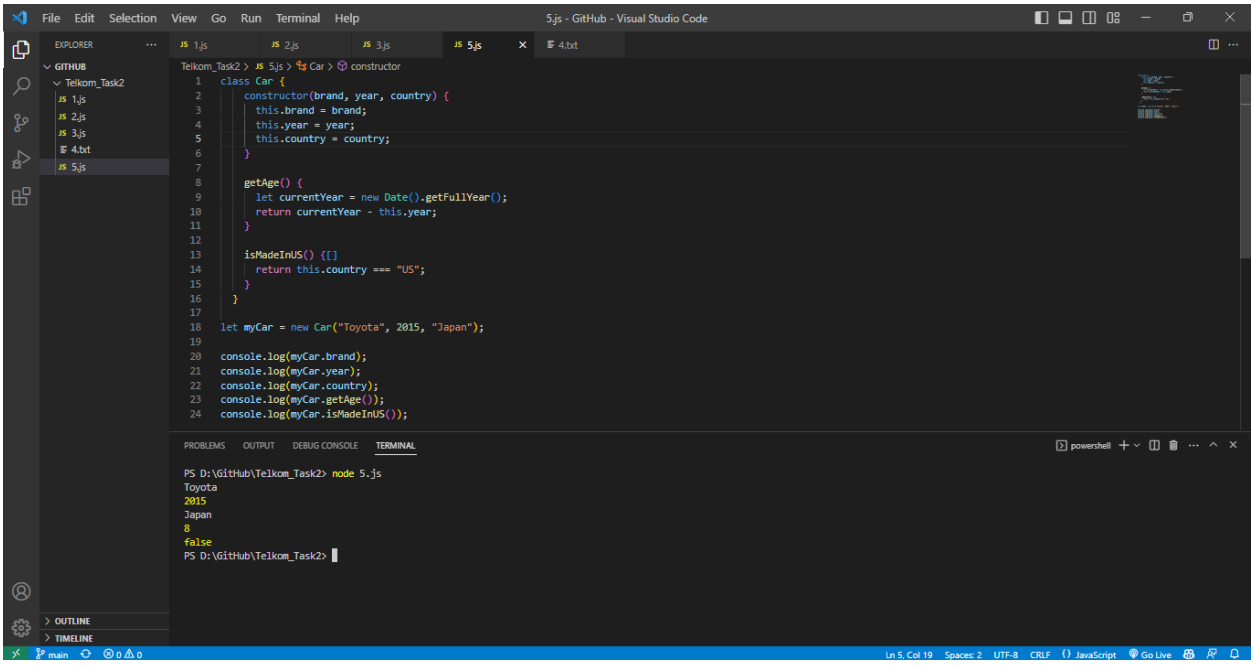

File Edit Selection View Go Run Terminal Help
2.js - GitHub - Visual Studio Code
EXPLORER
GITHUB
Telkom_Task2
1.js
2.js
3.js
4.txt
5.js
Telkom_Task2 > 2.js > ...
const company = {
marketing: [
{
name: "Budi",
salary: 5000000,
},
{
name: "Agus",
salary: 4500000,
},
],
engineer: {
frontend: [
{
name: "Suci",
salary: 8500000,
},
{
name: "Lukito",
salary: 7000000,
},
],
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
powershell
PS D:\GitHub\Telkom_Task2> node 2.js
4500000
PS D:\GitHub\Telkom_Task2>
OUTLINE
TIMELINE
main
Ln 1, Col 1 Spaces: 2 UTF-8 CRLF JavaScript Go Live


File Edit Selection View Go Run Terminal Help
2.js - GitHub - Visual Studio Code
EXPLORER
GITHUB
Telkom_Task2
1.js
2.js
3.js
4.txt
5.js
name: "Bustomi",
salary: 9500000,
name: "Paul",
salary: 9000000,
function calculateTotalSalary(obj) {
let totalSalary = 0;
for (let key in obj) {
if (Array.isArray(obj[key])) {
for (let i = 0; i < obj[key].length; i++) {
totalSalary += obj[key][i].salary;
} else if (typeof obj[key] === "object" && obj[key] !== null) {
totalSalary += calculateTotalSalary(obj[key]);
return totalSalary;
console.log(calculateTotalSalary(company));
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
powershell
PS D:\GitHub\Telkom_Task2> node 2.js
43500000
PS D:\GitHub\Telkom_Task2>
OUTLINE
TIMELINE
main
Ln 1, Col 1 Spaces: 2 UTF-8 CRLF JavaScript Go Live

3.


File Edit Selection View Go Run Terminal Help
3.js - GitHub - Visual Studio Code
EXPLORER
GITHUB
Telkom_Task2
1.js
2.js
3.js
4.txt
5.js
const urls = [
"https://www.boredapi.com/api/activity",
"https://www.boredapis.com/api/activity",
"https://www.boredapis2.com/api/activity",
];
function fetchData(url) {
return fetch(url)
.then((response) => {
if (!response.ok) {
throw new Error("Network response was not ok");
return response.json();
})
.then((data) => {
return { data, url };
})
.catch((error) => console.error(`Error fetching data from ${url}`, error));
Promise.all(urls.map(fetchData))
.then((results) => {
const validResult = results.find((result) => result.data.activity);
console.log(validResult);
})
.catch((error) => console.error("Error fetching data", error));
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
powershell
at TLSWrap.onStreamRead (node:internal/stream_base_commons:217:20) {
errno: -4077,
code: 'ECONNRESET',
syscall: 'read'
}
Error fetching data from https://www.boredapis2.com/api/activity TypeError: fetch failed
at Object.fetch (node:internal/deps/undici/undici:11413:11)
at process.processTicksAndRejections (node:internal/process/task_queues:95:5)
OUTLINE
TIMELINE
main
Ln 23, Col 63 (1 selected) Spaces: 4 UTF-8 CRLF JavaScript Go Live



4. output dari alert adalah 5 karena ketika function example dipanggil lalu mendefinisikan function dummy yang menghasilkan return 5 lalu mendefinisikan kembali function dummy yang menghasilkan return 2. namun, karena pemanggilan dummy terakhir terletak di dalam function example sebelum function dummy yang pertama maka pemanggilan dummy akan kembali ke return 5. sehingga ketika example dipanggil, nilai yang direturn oleh dummy adalah 5
5. 

https://github.com/PatriciaCindyLiunadi/Telkom_Task2