RESUME

BASIS DATA DOKUMEN
TEORI

KELOMPOK :

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PROGRAM STUDI TEKNIK INFORMATIKA FAKULTAS TEKNIK

UNIVERSITAS ISLAM RIAU PEKANBARU

2024

PENDAHULUAN

Latar Belakang

Basis data dokumen adalah suatu sistem penyimpanan data yang dirancang khusus untuk menangani informasi dalam bentuk dokumen. Dokumen ini bisa berupa teks, gambar, suara, atau format lainnya. Basis data dokumen bertujuan untuk menyederhanakan pengelolaan, pencarian, dan analisis dokumen dalam suatu aplikasi atau sistem.

Definisi Basis Data Dokumen

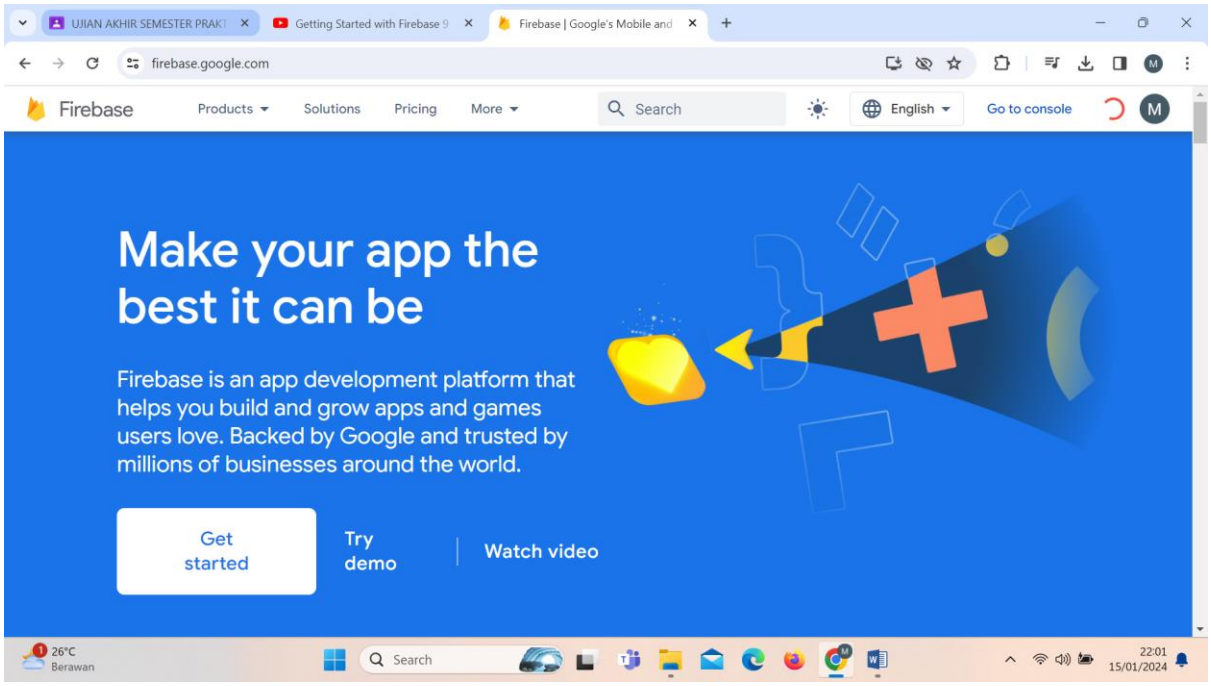
Basis data dokumen adalah jenis sistem manajemen basis data (DBMS) yang dirancang khusus untuk menyimpan, mengelola, dan mengindeks dokumen elektronik. Dokumen ini dapat berupa teks, gambar, audio, atau format lainnya. Yang membedakan basis data dokumen dari jenis DBMS lainnya adalah kemampuannya untuk menyimpan data dalam format dokumen yang fleksibel, tanpa memerlukan skema yang ketat.

Firebase

Firebase Console adalah antarmuka pengguna web yang disediakan oleh Firebase, sebuah platform pengembangan mobile dan web yang dimiliki oleh Google. Firebase menyediakan berbagai layanan yang mempermudah pengembangan aplikasi, termasuk penyimpanan data, otentikasi pengguna, pengelolaan file, analisis, pemberitahuan, dan banyak lagi. Firebase Console berfungsi sebagai alat pengelolaan yang memungkinkan pengguna untuk mengelola proyek dan sumber daya Firebase mereka.

Firebase Console adalah alat yang sangat penting bagi pengembang dan administrator sistem yang menggunakan Firebase dalam proyek mereka. Ini memberikan visibilitas dan kontrol yang diperlukan untuk mengelola berbagai layanan Firebase dengan mudah dan efisien.

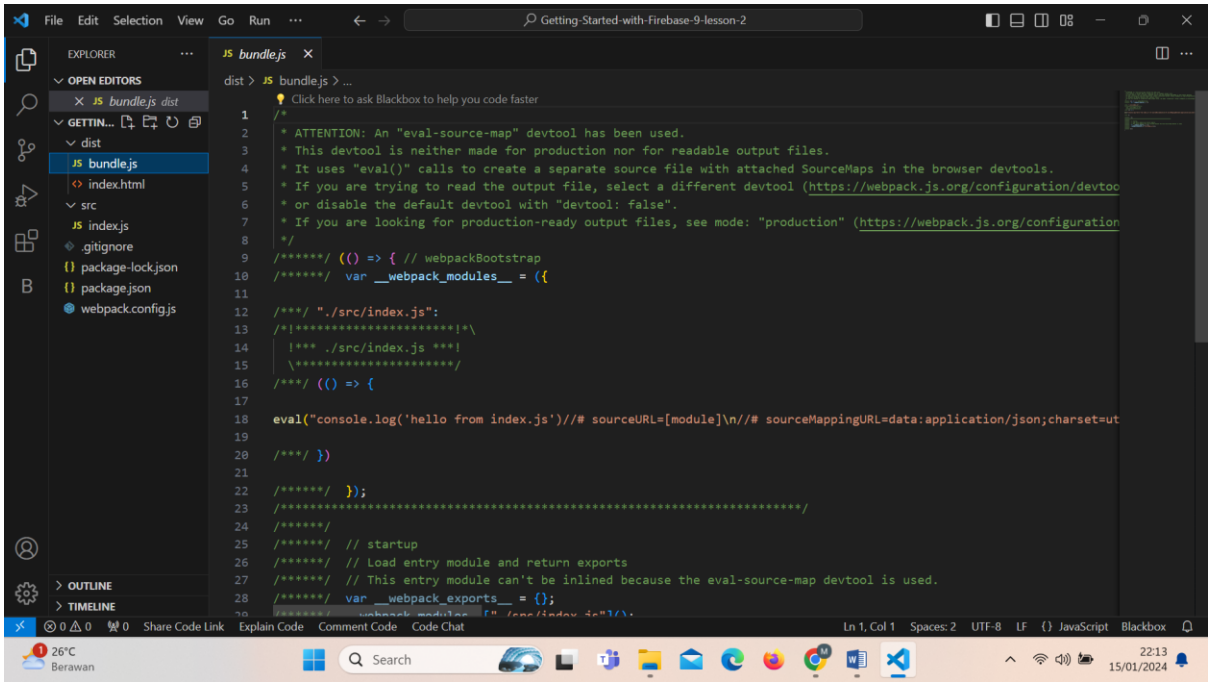
1. Firebase

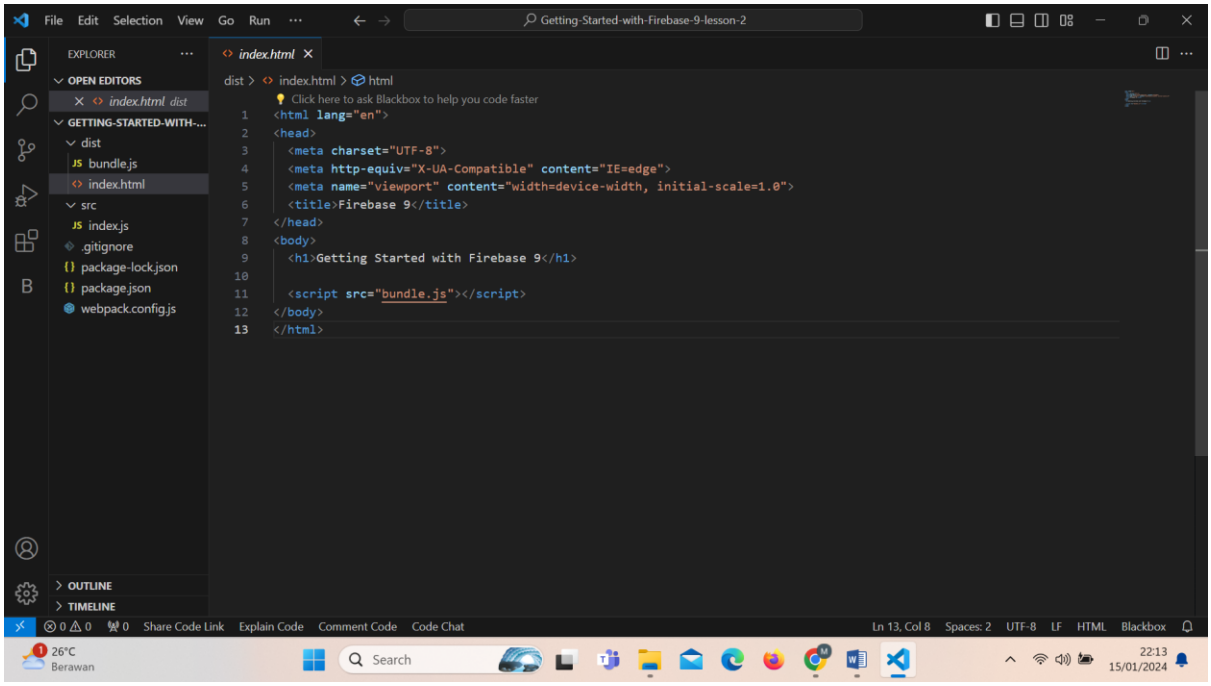


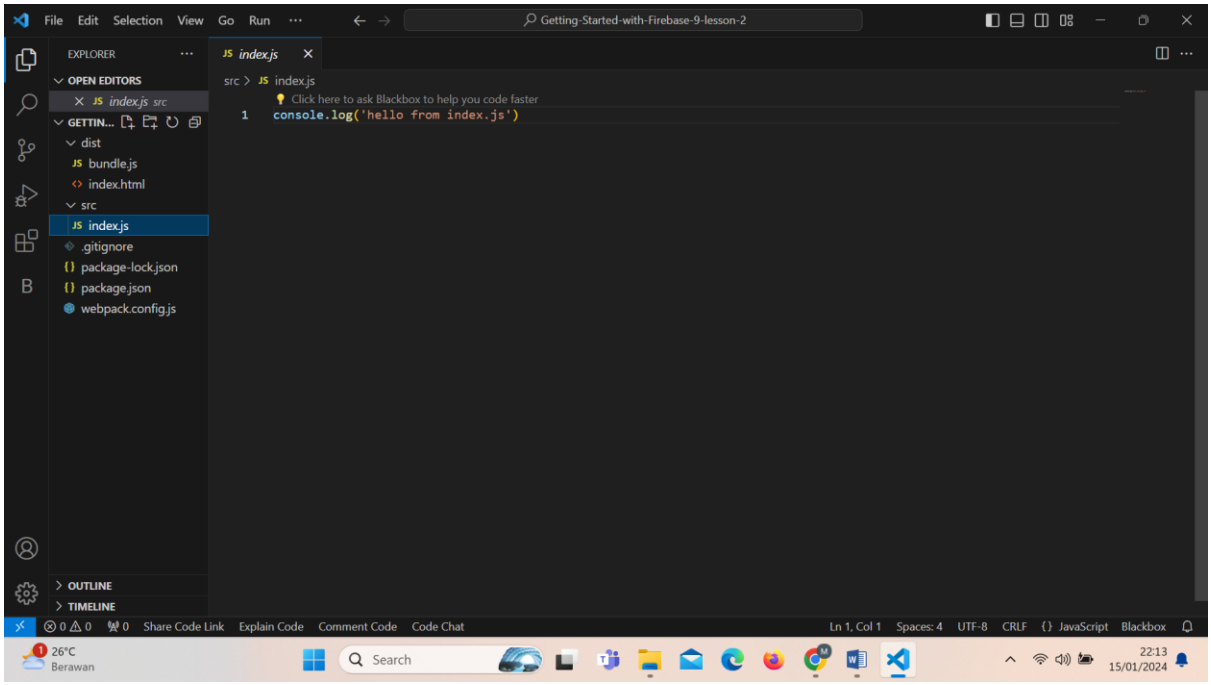
Firebase adalah platform pengembangan aplikasi mobile dan web yang disediakan oleh Google. Firebase menyediakan berbagai layanan dan alat yang memungkinkan pengembang untuk membangun aplikasi yang kuat, skalabel, dan mudah dielola.

2. Setting WebPack

Source Code




File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-2
EXPLORER
OPEN EDITORS
index.html dist
GETTING-STARTED-WITH-...
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
index.html
dist > index.html > html
Click here to ask Blackbox to help you code faster
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Firebase 9</title>
</head>
<body>
<h1>Getting Started with Firebase 9</h1>
<script src="bundle.js"></script>
</body>
</html>
Share Code Link
Explain Code
Comment Code
Code Chat
Ln 13, Col 8
Spaces: 2
UTF-8
LF
HTML
Blackbox
26°C
Berawan
Search
22:13
15/01/2024


File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-2
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index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
index.js
src > index.js
Click here to ask Blackbox to help you code faster
console.log('hello from index.js')
Share Code Link
Explain Code
Comment Code
Code Chat
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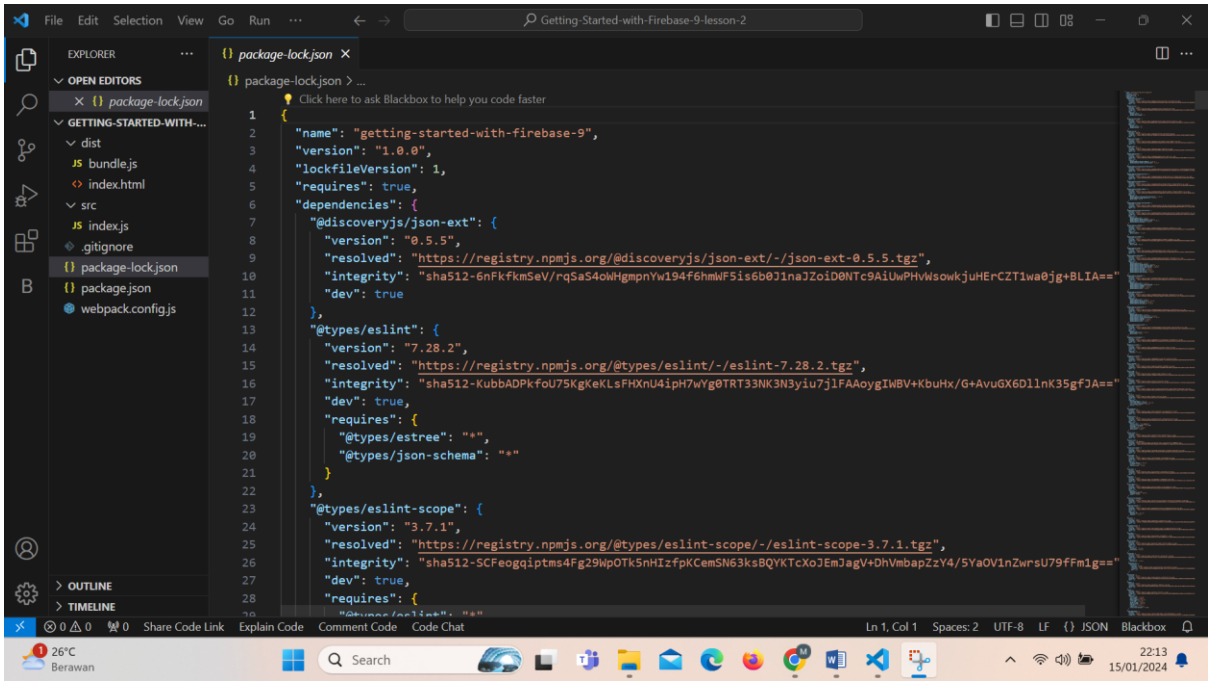
File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-2
EXPLORER
package-lock.json
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dist
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index.html
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index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
Click here to ask Blackbox to help you code faster
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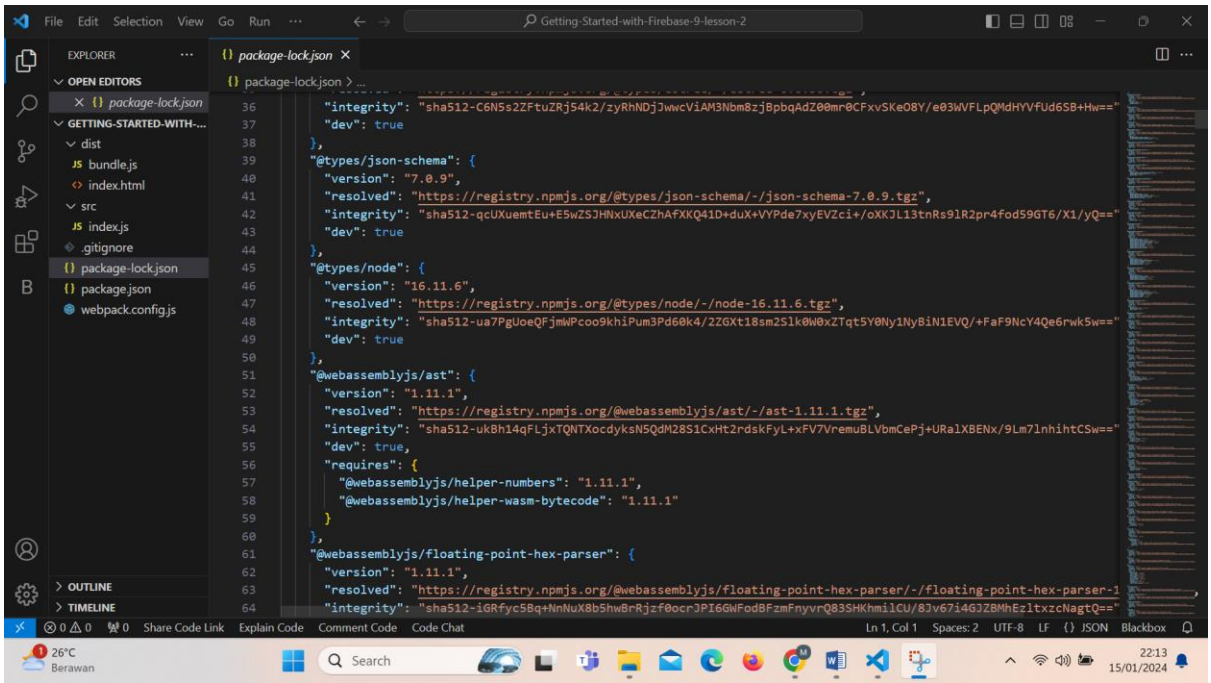
File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-2
EXPLORER
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dist
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.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
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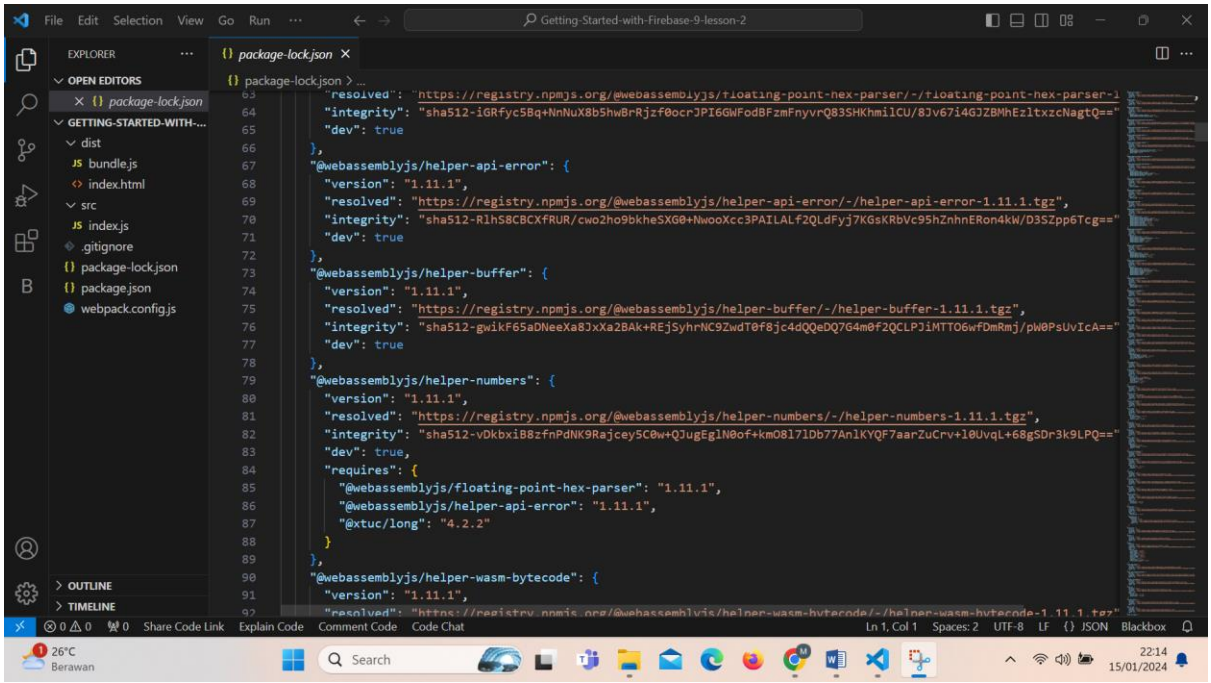
File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-2
EXPLORER
package-lock.json
OPEN EDITORS
GETTING-STARTED-WITH-...
dist
bundle.js
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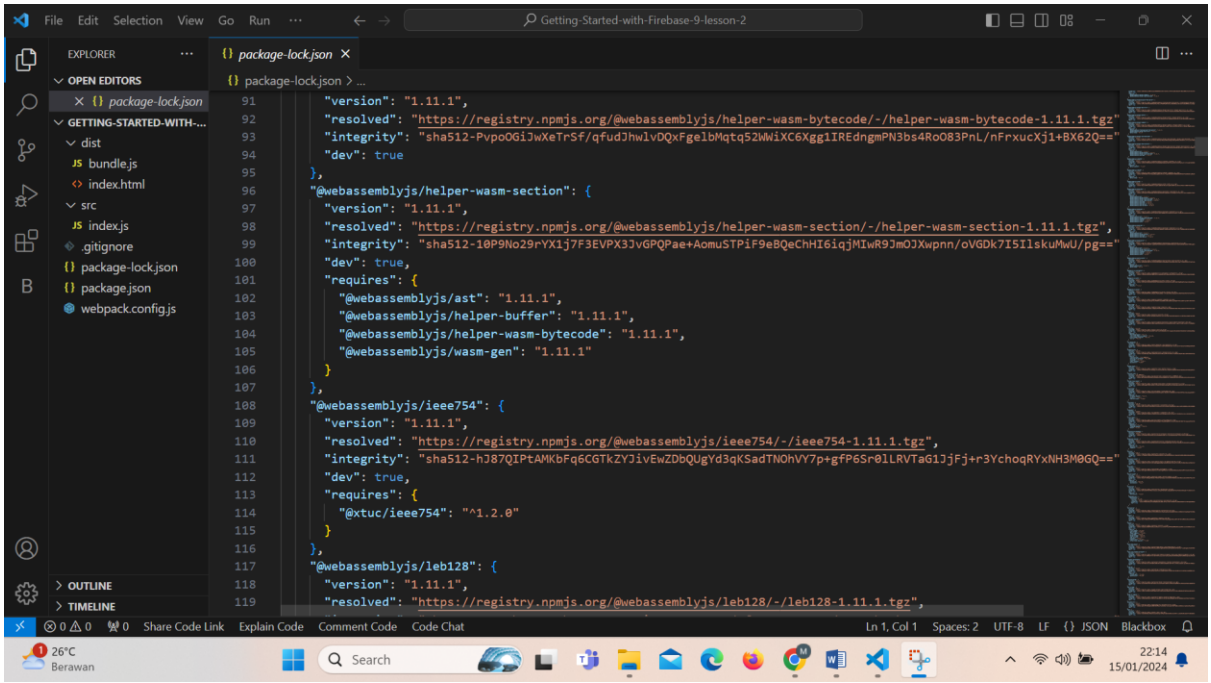
File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-2
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package-lock.json
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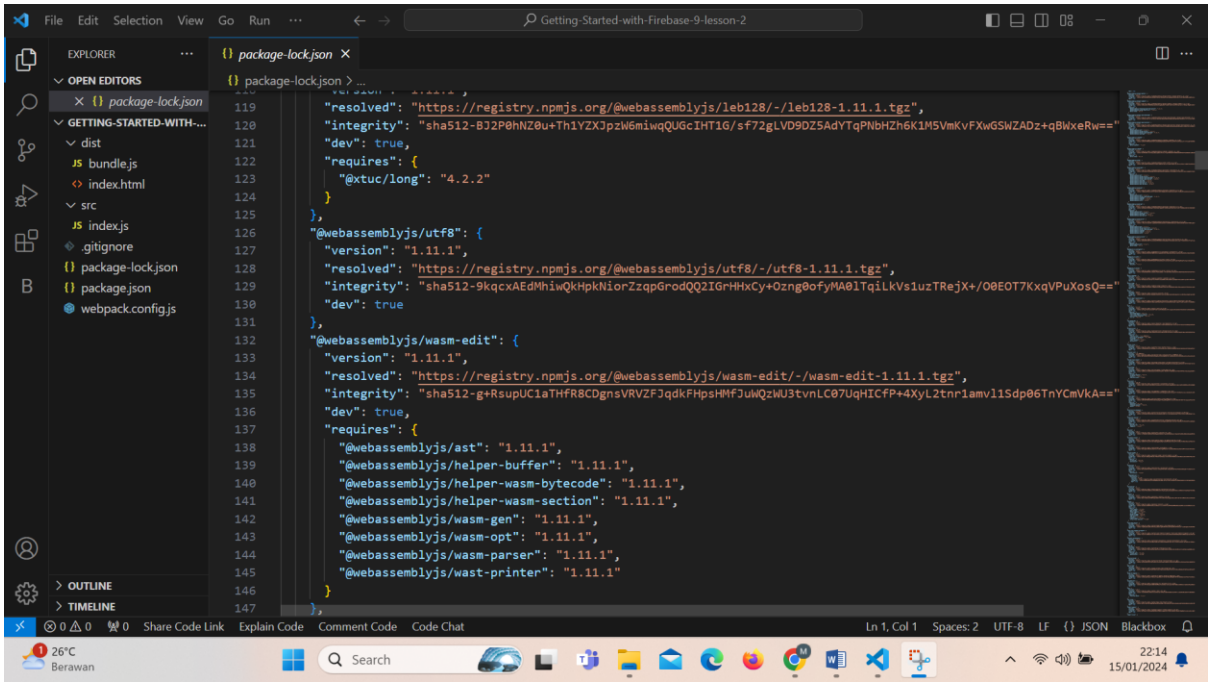
File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-2
EXPLORER
package-lock.json
OPEN EDITORS
package-lock.json
GETTING-STARTED-WITH-...
dist
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index.js
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package-lock.json
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webpack.config.js
OUTLINE
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"@webassemblyjs/wasm-parser": "1.11.1",
"@webassemblyjs/wast-printer": "1.11.1"
}
},
Share Code Link Explain Code Comment Code Code Chat
Ln 1, Col 1 Spaces: 2 UTF-8 LF { } JSON Blackbox
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Search
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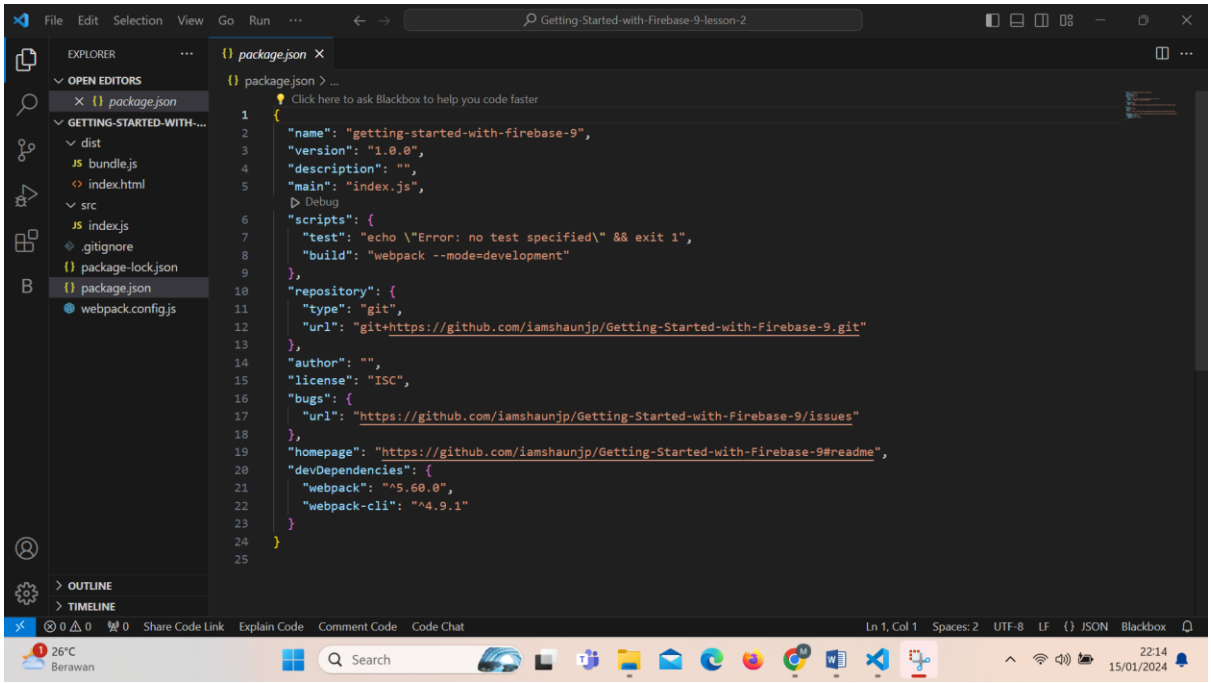
File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-2
EXPLORER
package.json
OPEN EDITORS
package.json
GETTING-STARTED-WITH-...
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
Click here to ask Blackbox to help you code faster
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"version": "1.0.0",
"description": "",
"main": "index.js",
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"scripts": {
"test": "echo \"Error: no test specified\" && exit 1",
"build": "webpack --mode=development"
},
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"url": "git+https://github.com/iamshaunjp/Getting-Started-with-Firebase-9.git"
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"license": "ISC",
"bugs": {
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Share Code Link Explain Code Comment Code Code Chat
Ln 1, Col 1 Spaces: 2 UTF-8 LF { } JSON Blackbox
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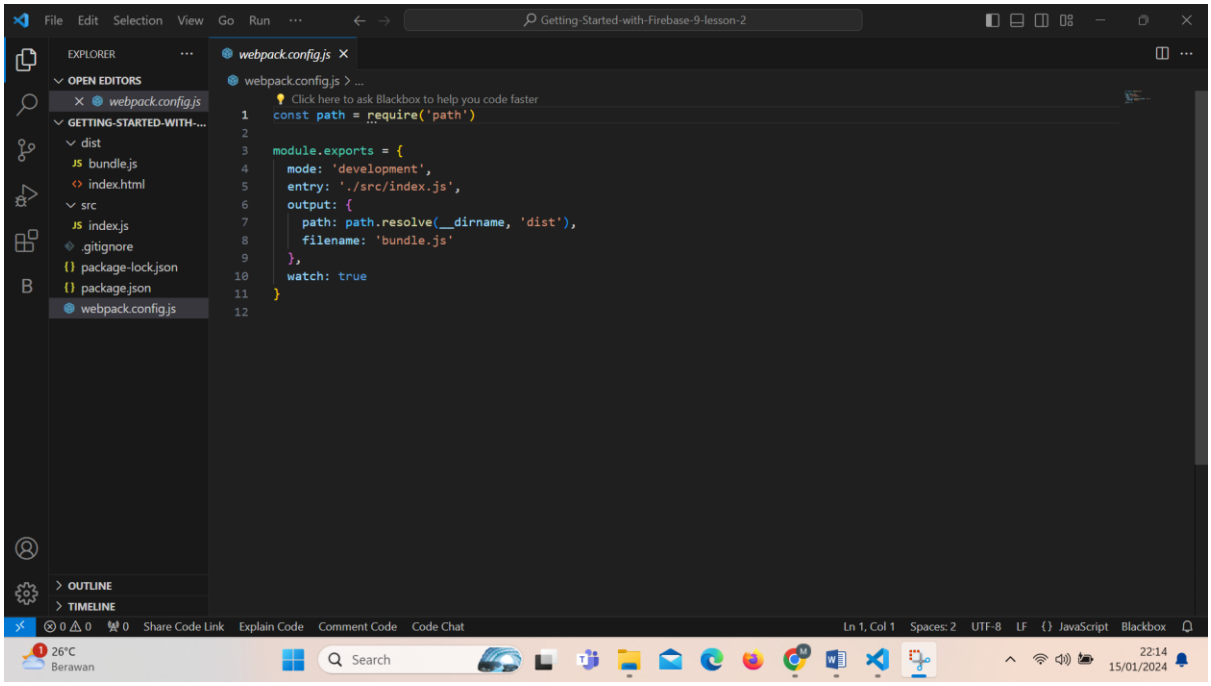
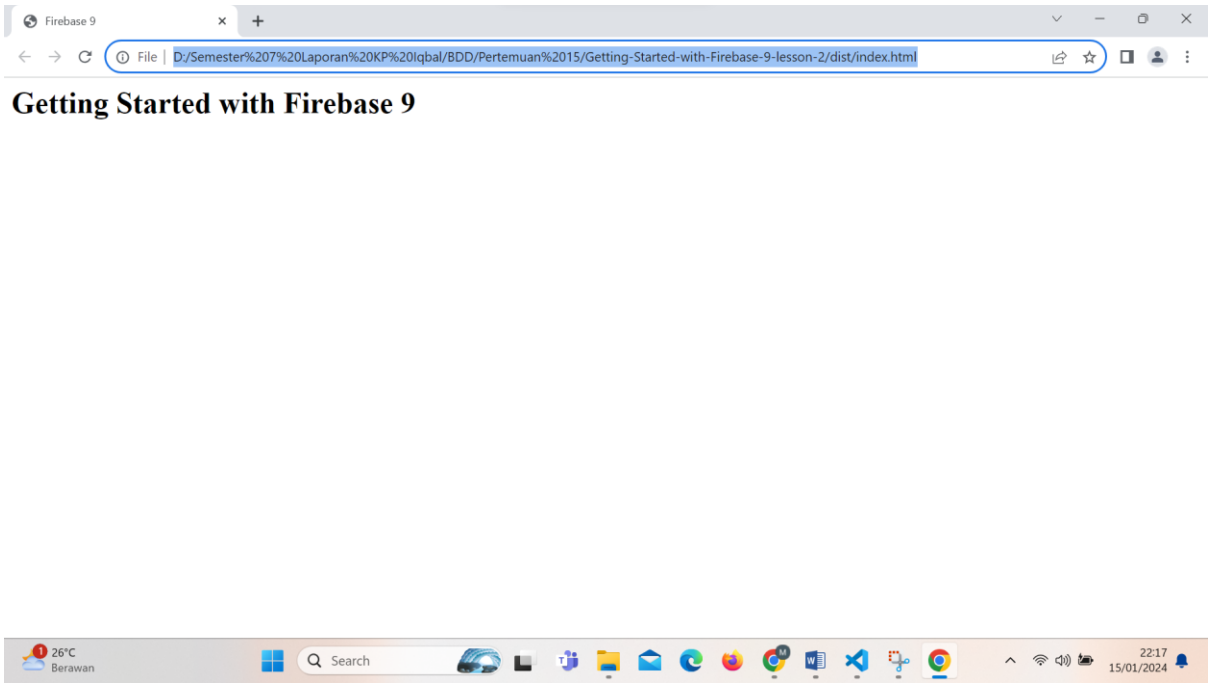


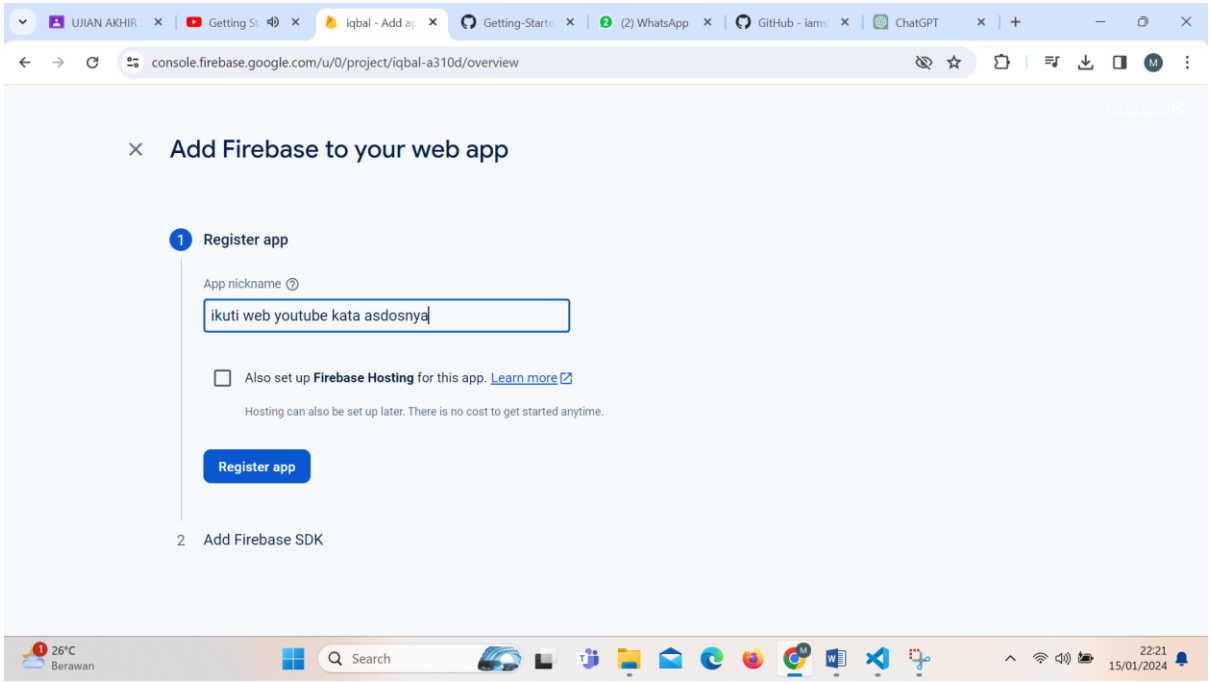
Hasil Output :



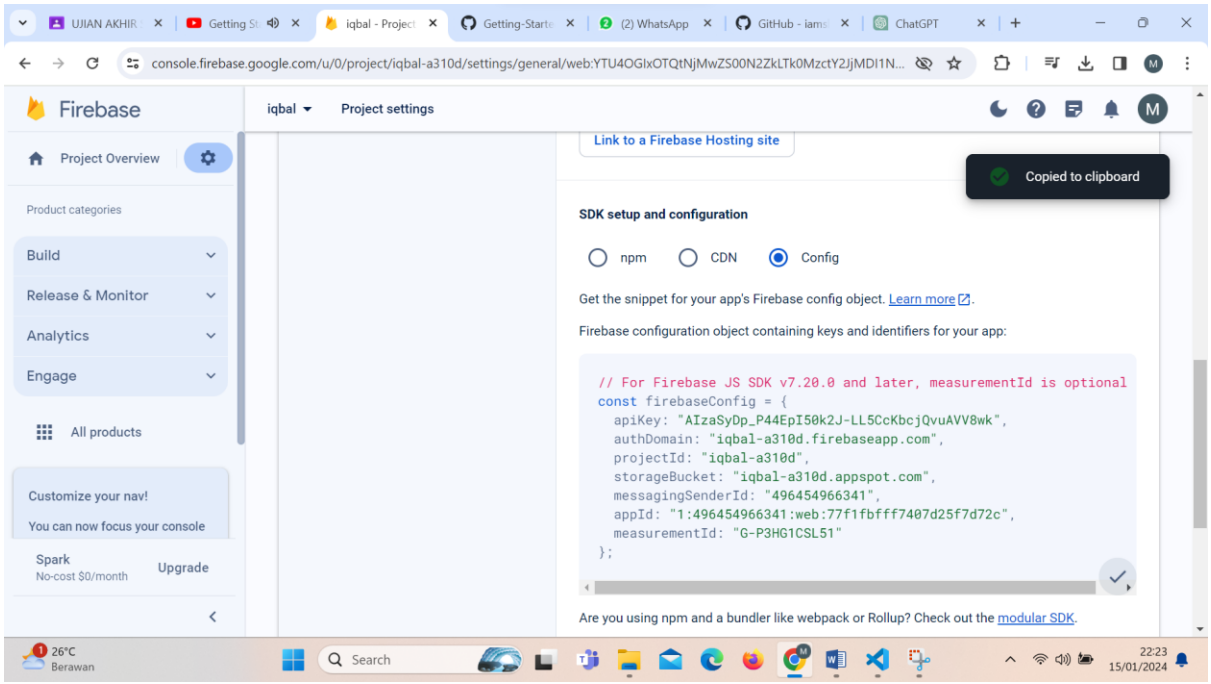
Webpack adalah sebuah alat (tool) yang digunakan untuk mengelola dan menggabungkan file JavaScript, CSS, dan asset lainnya menjadi satu atau beberapa bundle untuk aplikasi web. Visual Studio Code (VS Code) adalah sebuah editor kode sumber yang sangat populer dan banyak digunakan.

Berikut saya lampirkan coding coding konfigurasi mengenai webpack dan firebase di atas .

3.



Link Firebase



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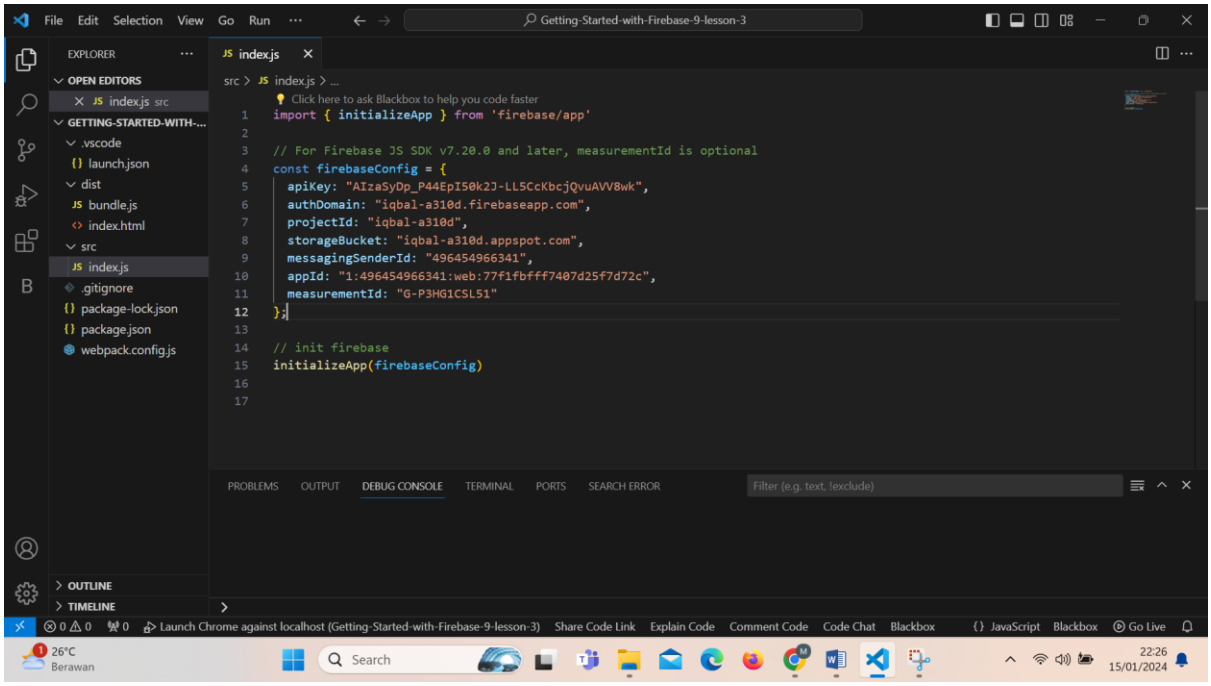
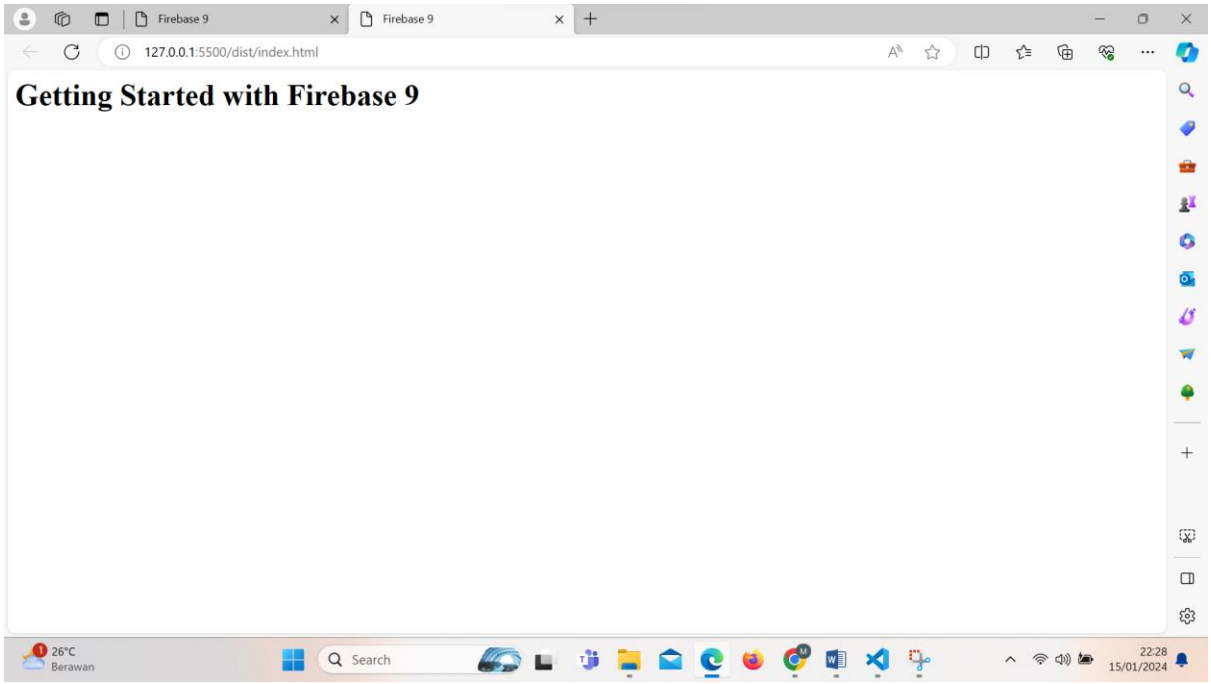
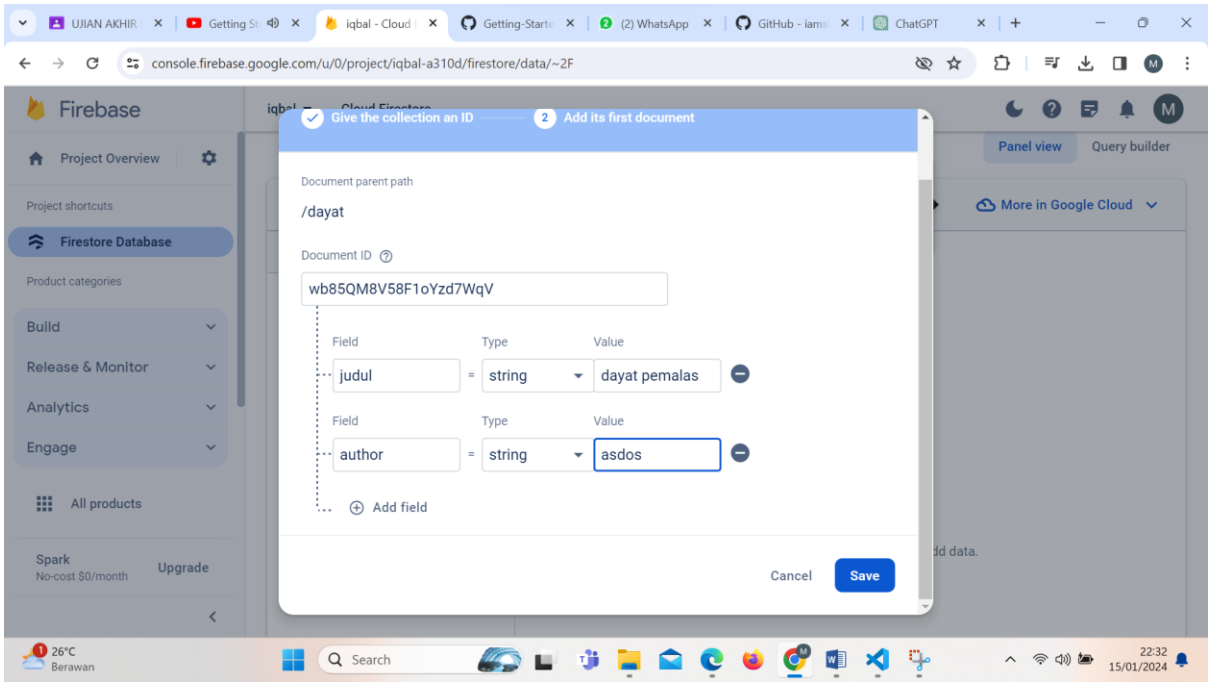


Hasil Output :

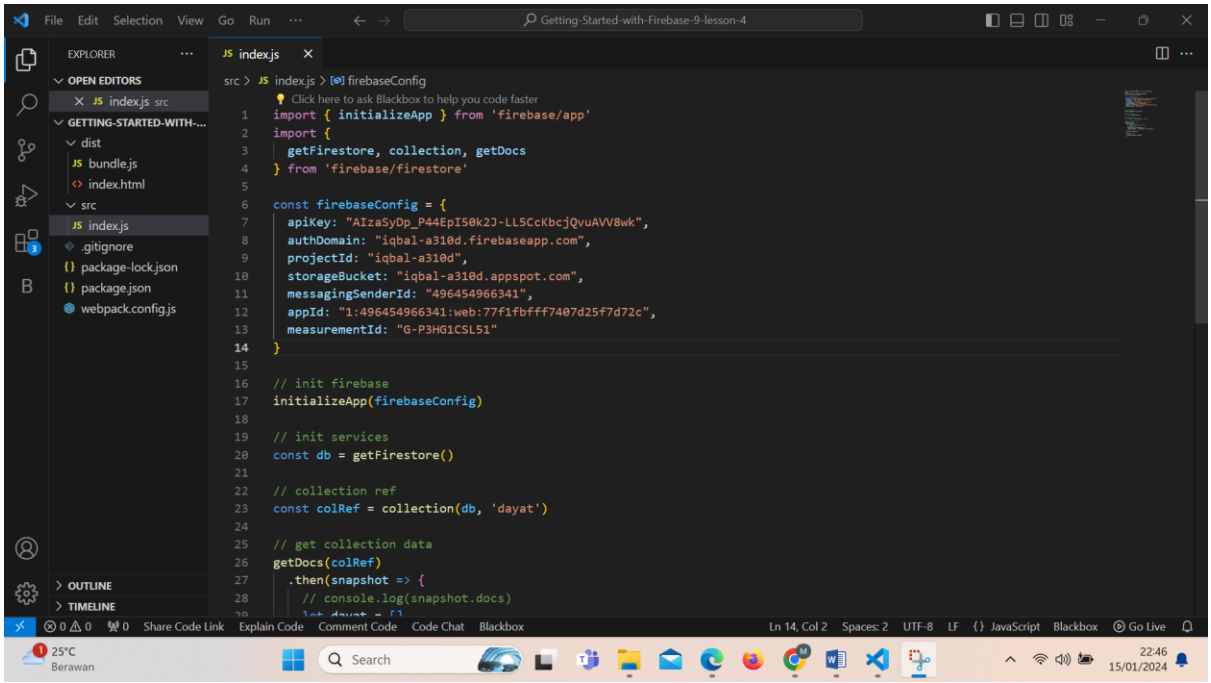


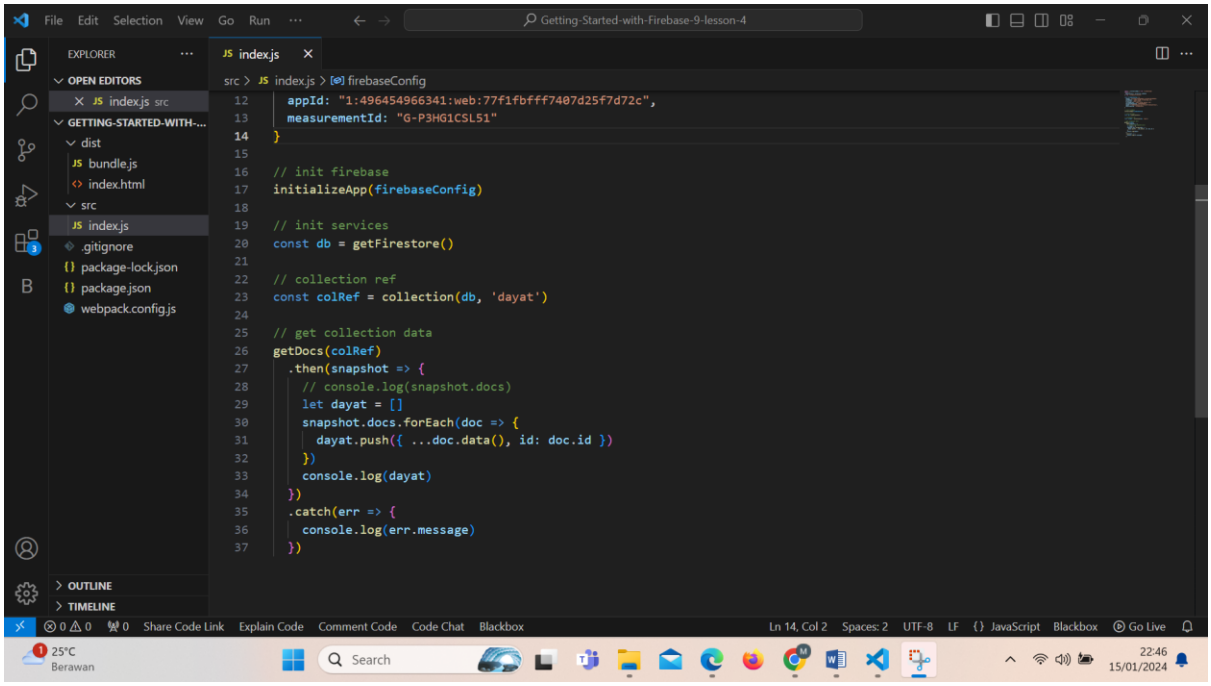
4. **Firestore Setup & Fetching Data**

Lakukan konfigurasi pada bagian firestore

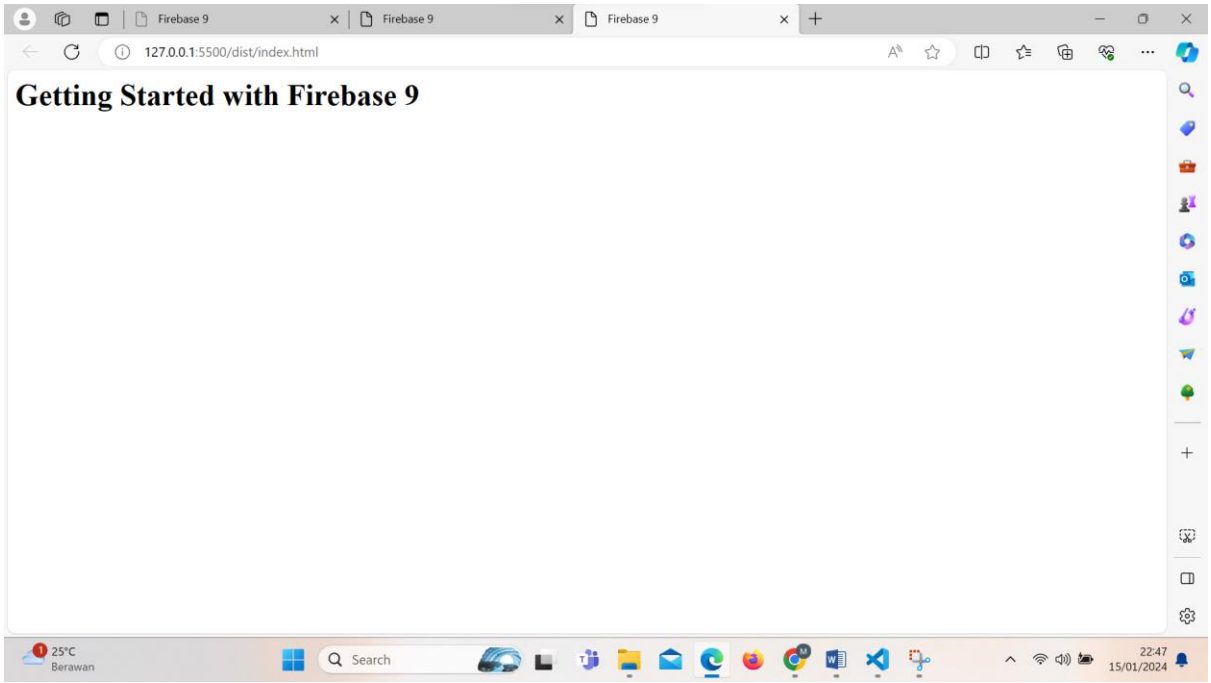


Dan konfigurasi pada codingan sebelumnya seperti dibawah ini ,sesuai dengan settingan firestore sebelumnya ,seperti gambar di bawah ini :



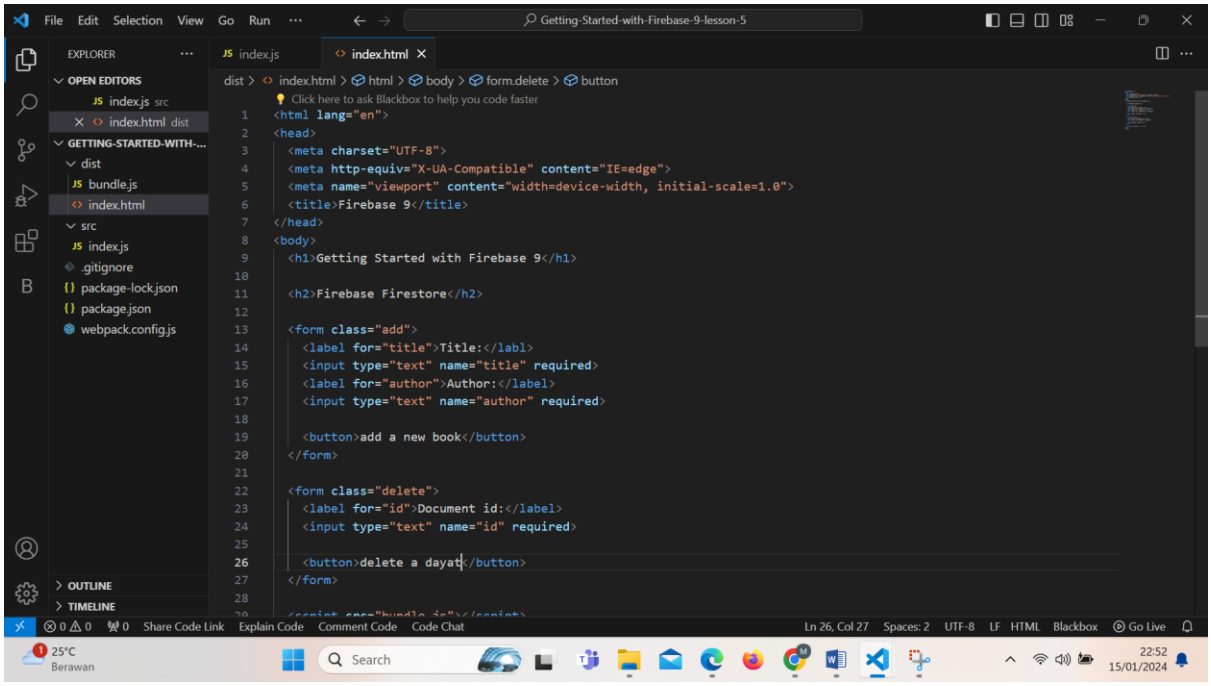


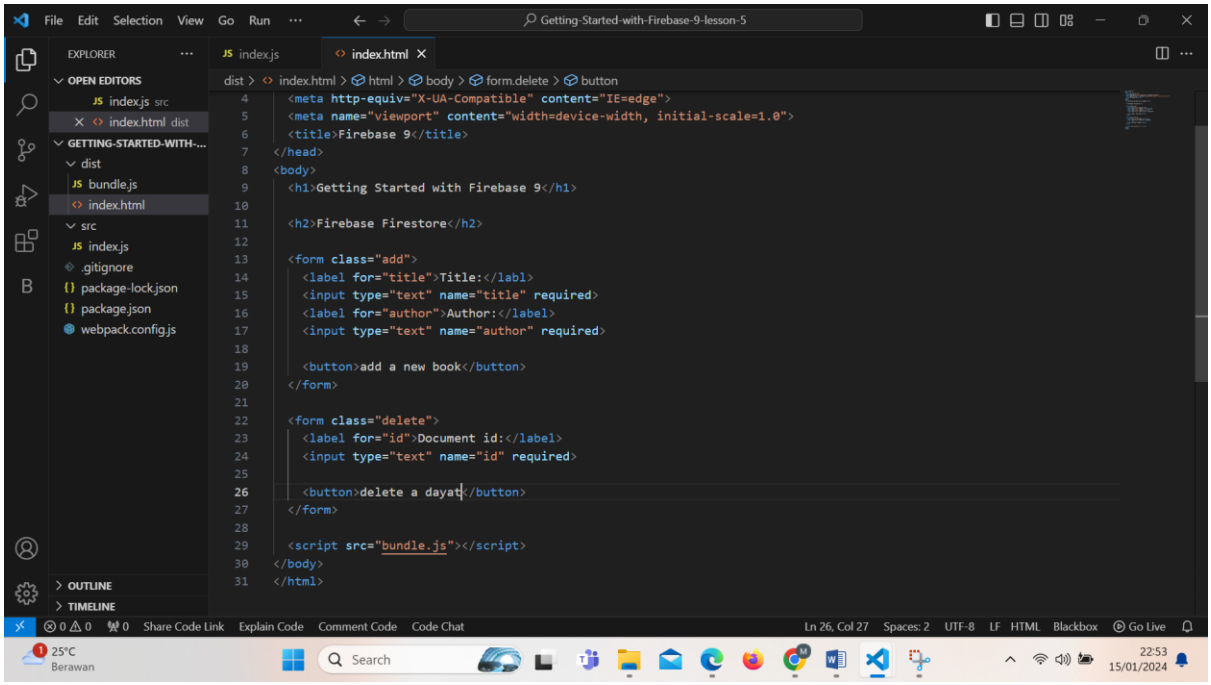
Hasil Output :



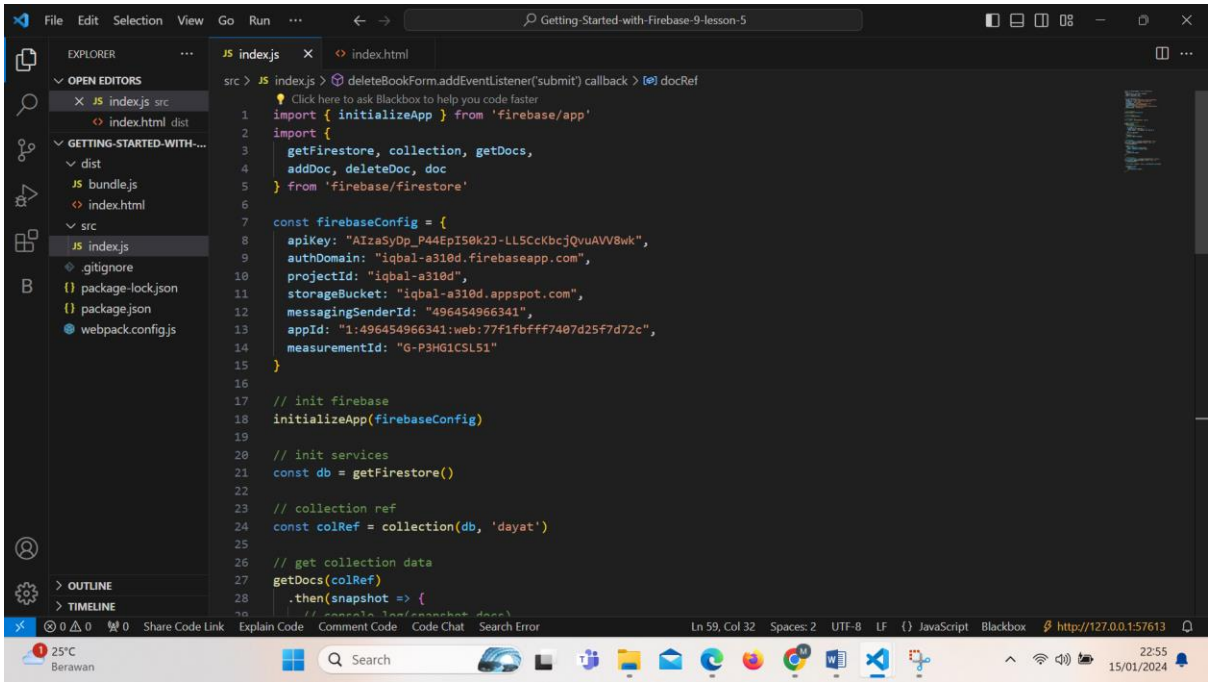
5. Adding and Delete Document.

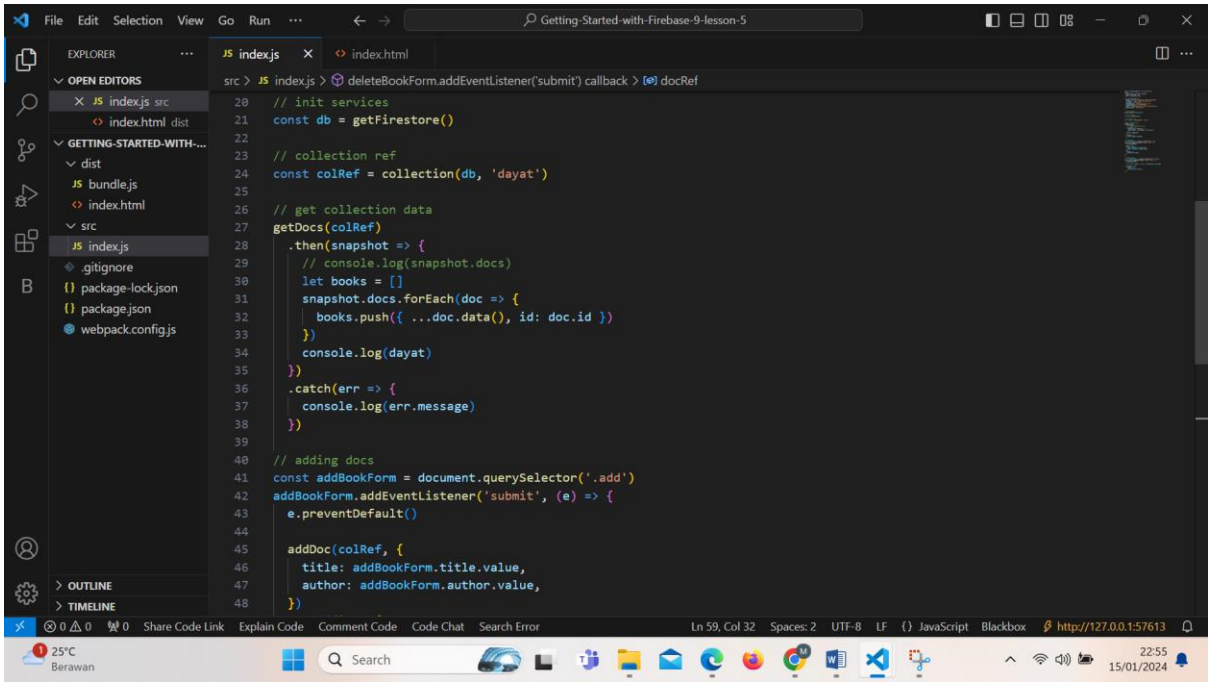
Tambahkan pada index html codingan berikut :





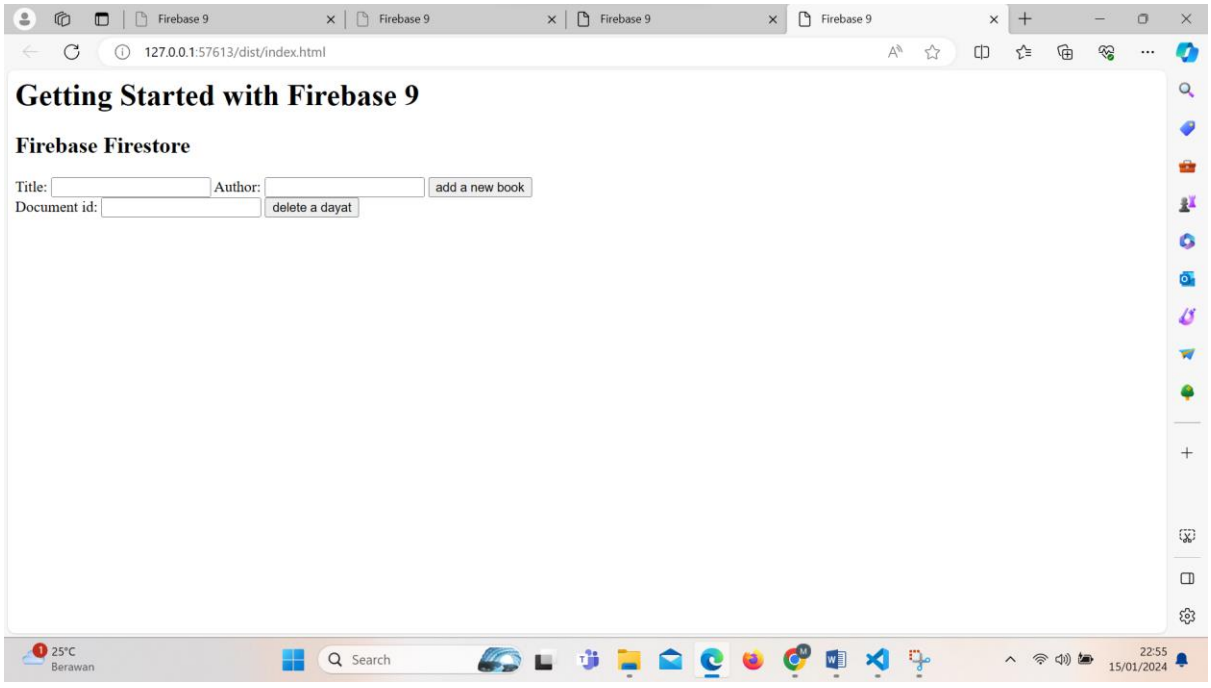
Lalu pada bagian index.js , tambahkan codingan delete and adding document sesuai title tadi.


File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-5
EXPLORER
index.js
index.html
src > index.js > deleteBookForm.addEventListener('submit') callback > docRef
Click here to ask Blackbox to help you code faster
import { initializeApp } from 'firebase/app'
import {
getFirestore, collection, getDocs,
addDoc, deleteDoc, doc
} from 'firebase/firestore'
const firebaseConfig = {
apiKey: "AIzaSyDp_P44EpI50k2J-LL5CcKbcjQvuAVV8wk",
authDomain: "iqbal-a310d.firebaseapp.com",
projectId: "iqbal-a310d",
storageBucket: "iqbal-a310d.appspot.com",
messagingSenderId: "496454966341",
appId: "1:496454966341:web:77f1fbfff7407d25f7d72c",
measurementId: "G-P3HG1CSL51"
}
// init firebase
initializeApp(firebaseConfig)
// init services
const db = getFirestore()
// collection ref
const colRef = collection(db, 'dayat')
// get collection data
getDocs(colRef)
.then(snapshot => {
OPEN EDITORS
index.js src
index.html dist
GETTING-STARTED-WITH-...
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
Share Code Link
Explain Code
Comment Code
Code Chat
Search Error
Ln 59, Col 32
Spaces: 2
UTF-8
LF
{} JavaScript
Blackbox
http://127.0.0.1:57613
25°C
Berawan
Search
22:55
15/01/2024


File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-5
EXPLORER
index.js
index.html
src > index.js > deleteBookForm.addEventListener('submit') callback > docRef
// init services
const db = getFirestore()
// collection ref
const colRef = collection(db, 'dayat')
// get collection data
getDocs(colRef)
.then(snapshot => {
// console.log(snapshot.docs)
let books = []
snapshot.docs.forEach(doc => {
books.push({ ...doc.data(), id: doc.id })
})
console.log(dayat)
})
.catch(err => {
console.log(err.message)
})
// adding docs
const addBookForm = document.querySelector('.add')
addBookForm.addEventListener('submit', (e) => {
e.preventDefault()
addDoc(colRef, {
title: addBookForm.title.value,
author: addBookForm.author.value,
})
OPEN EDITORS
index.js src
index.html dist
GETTING-STARTED-WITH-...
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
Share Code Link
Explain Code
Comment Code
Code Chat
Search Error
Ln 59, Col 32
Spaces: 2
UTF-8
LF
{} JavaScript
Blackbox
http://127.0.0.1:57613
25°C
Berawan
Search
22:55
15/01/2024

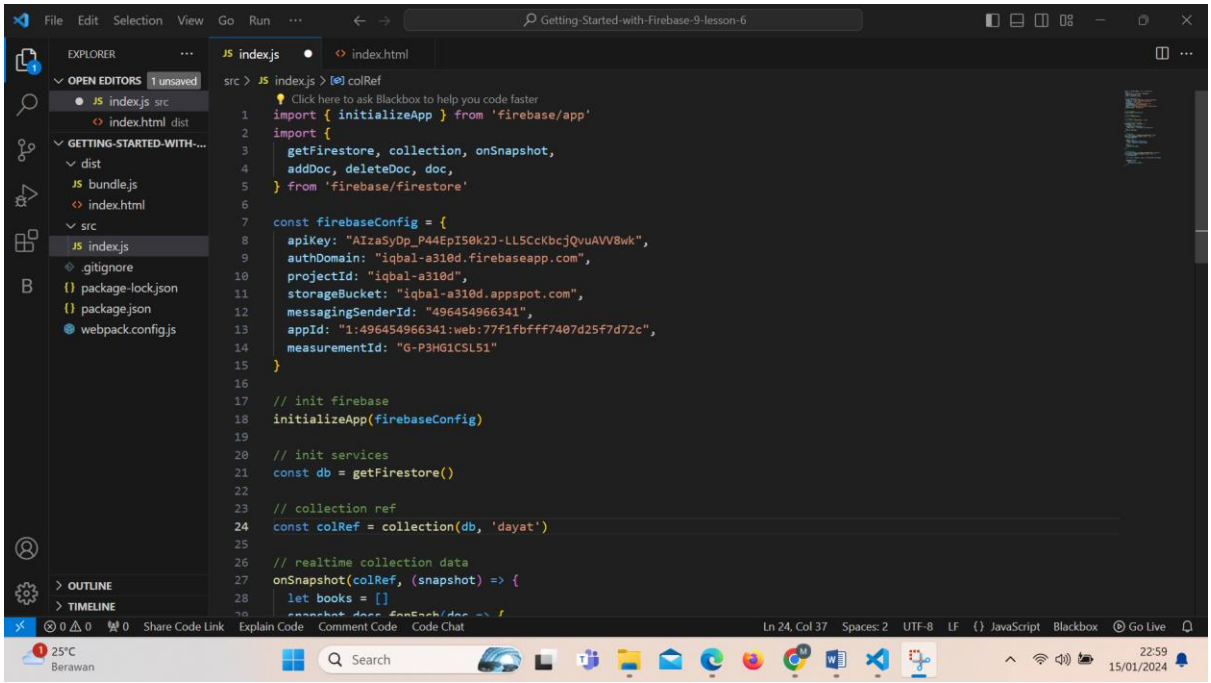
```
// adding docs
const addBookForm = document.querySelector('.add')
addBookForm.addEventListener('submit', (e) => {
  e.preventDefault()

  addDoc(colRef, {
    title: addBookForm.title.value,
    author: addBookForm.author.value,
  })
  .then(() => {
    addBookForm.reset()
  })
})

// deleting docs
const deleteBookForm = document.querySelector('.delete')
deleteBookForm.addEventListener('submit', (e) => {
  e.preventDefault()

  const docRef = doc(db, 'dayat', deleteBookForm.id.value)

  deleteDoc(docRef)
    .then(() => {
      deleteBookForm.reset()
    })
})
```

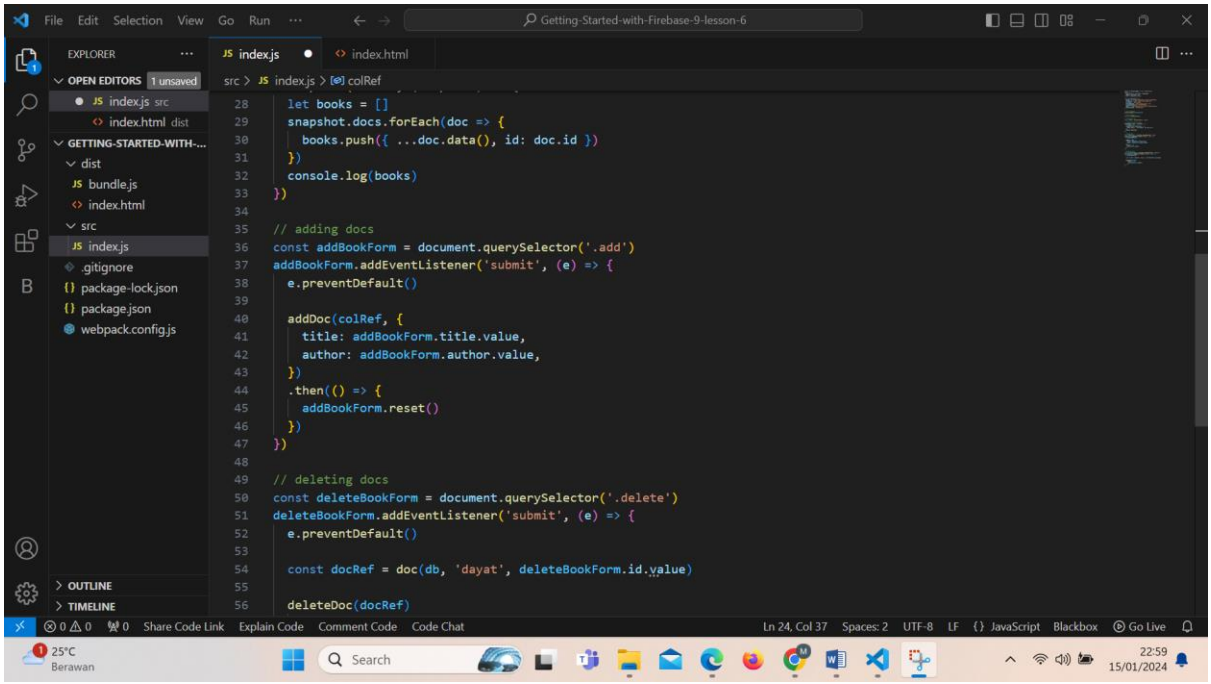
Hasil Output :

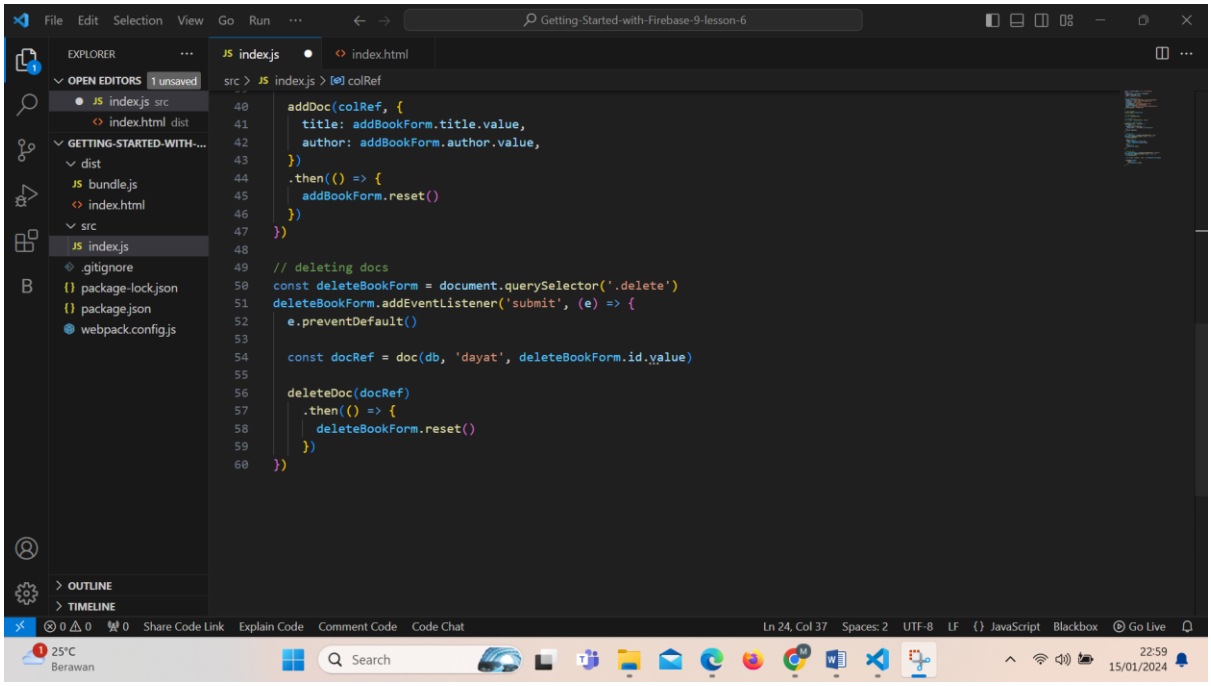


6. Realtime and collection data

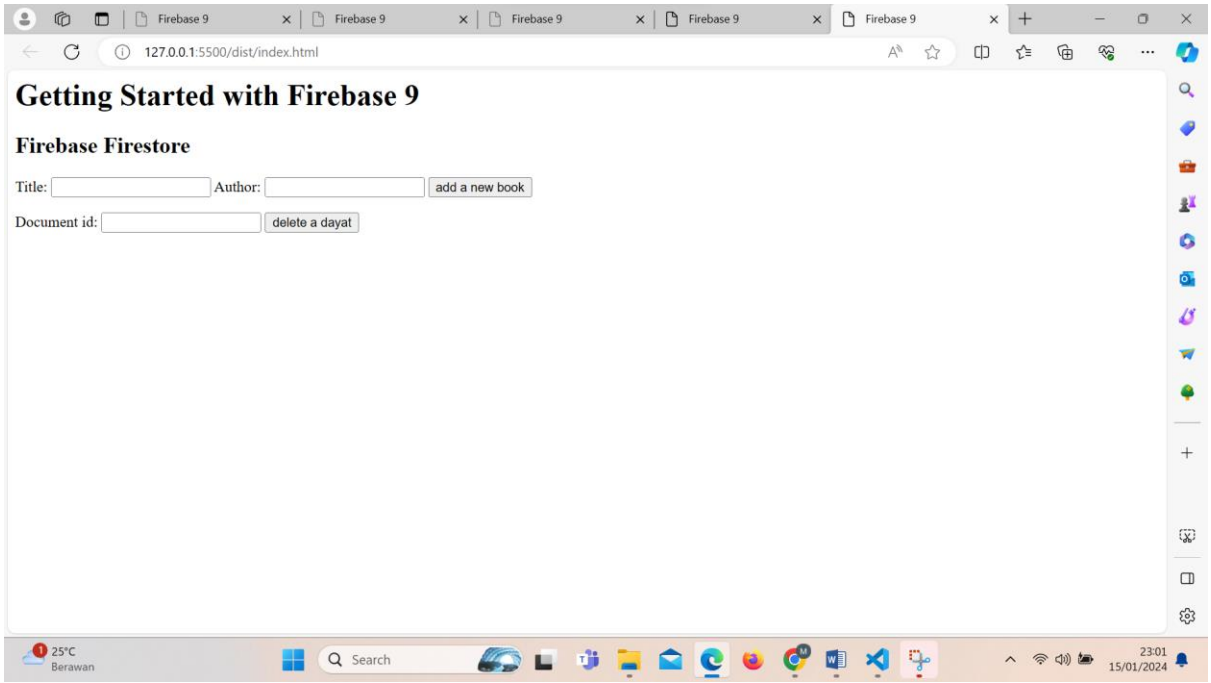
Tambahkan codingan berikut pada program sebelumnya , untuk mendapatkan realtime dan data yang konkrit ketika terjadi perubahan data pada firebase..


File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-6
EXPLORER
OPEN EDITORS 1 unsaved
index.js src
index.html dist
GETTING-STARTED-WITH-...
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
index.js
index.html
src > index.js > colRef
Click here to ask Blackbox to help you code faster
import { initializeApp } from 'firebase/app'
import {
getFirestore, collection, onSnapshot,
addDoc, deleteDoc, doc,
} from 'firebase/firestore'
const firebaseConfig = {
apiKey: "AIzaSyDp_P44EpI50k2J-LL5CcKbcjQvuAVV8wk",
authDomain: "iqbal-a310d.firebaseapp.com",
projectId: "iqbal-a310d",
storageBucket: "iqbal-a310d.appspot.com",
messagingSenderId: "496454966341",
appId: "1:496454966341:web:77f1fbfff7407d25f7d72c",
measurementId: "G-P3HG1CSL51"
}
// init firebase
initializeApp(firebaseConfig)
// init services
const db = getFirestore()
// collection ref
const colRef = collection(db, 'dayat')
// realtime collection data
onSnapshot(colRef, (snapshot) => {
let books = []
Share Code Link Explain Code Comment Code Code Chat
Ln 24, Col 37 Spaces: 2 UTF-8 LF {} JavaScript Blackbox Go Live
25°C Berawan
Search
22:59 15/01/2024


File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-6
EXPLORER
OPEN EDITORS 1 unsaved
index.js src
index.html dist
GETTING-STARTED-WITH-...
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
index.js
index.html
src > index.js > colRef
let books = []
snapshot.docs.forEach(doc => {
books.push({ ...doc.data(), id: doc.id })
})
console.log(books)
})
// adding docs
const addBookForm = document.querySelector('.add')
addBookForm.addEventListener('submit', (e) => {
e.preventDefault()
addDoc(colRef, {
title: addBookForm.title.value,
author: addBookForm.author.value,
})
.then(() => {
addBookForm.reset()
})
})
// deleting docs
const deleteBookForm = document.querySelector('.delete')
deleteBookForm.addEventListener('submit', (e) => {
e.preventDefault()
const docRef = doc(db, 'dayat', deleteBookForm.id.value)
deleteDoc(docRef)
Share Code Link Explain Code Comment Code Code Chat
Ln 24, Col 37 Spaces: 2 UTF-8 LF {} JavaScript Blackbox Go Live
25°C Berawan
Search
22:59 15/01/2024

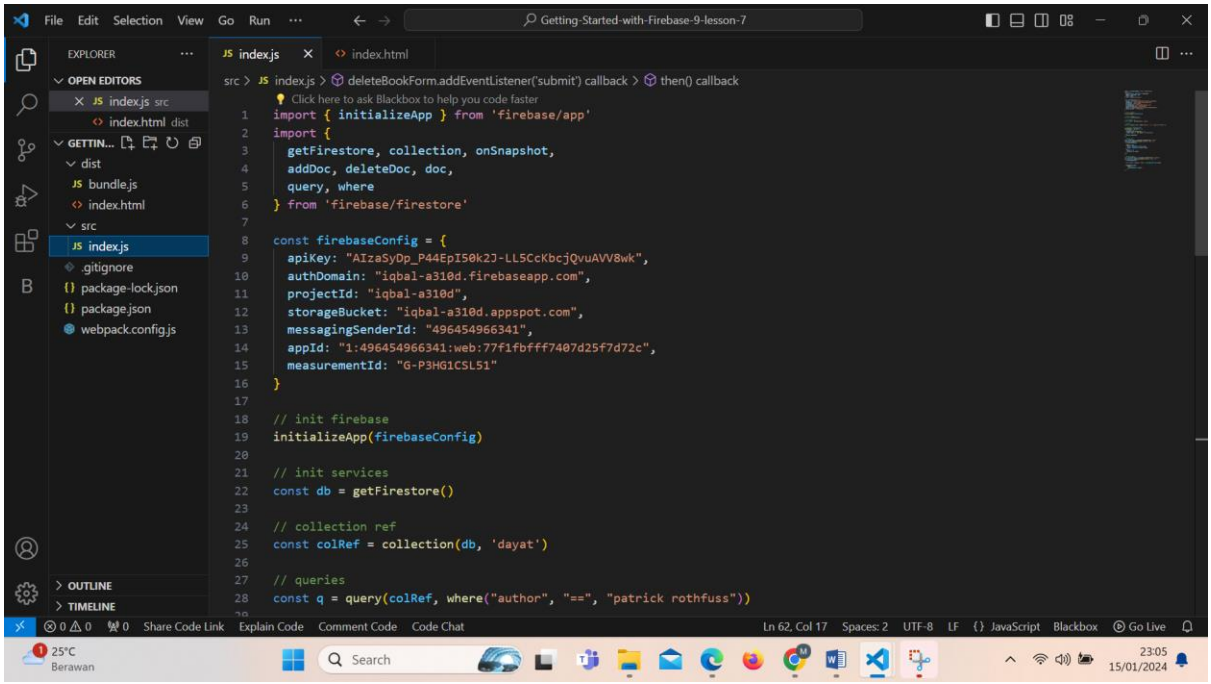


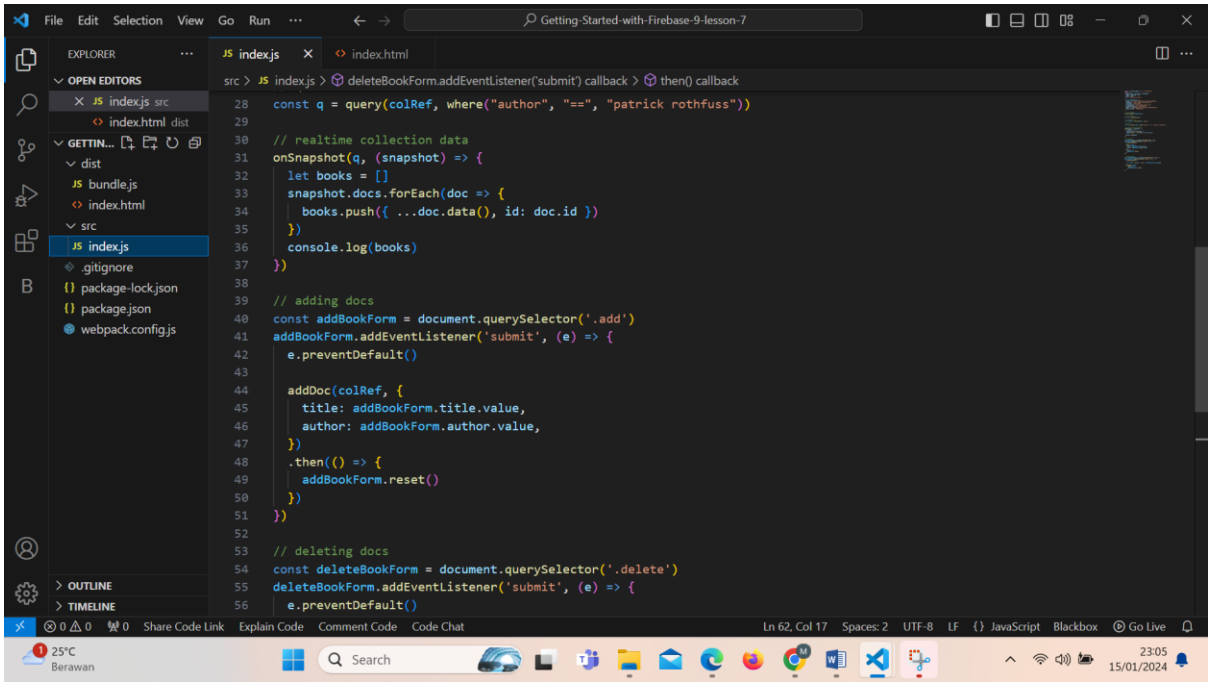
Hasil Output :

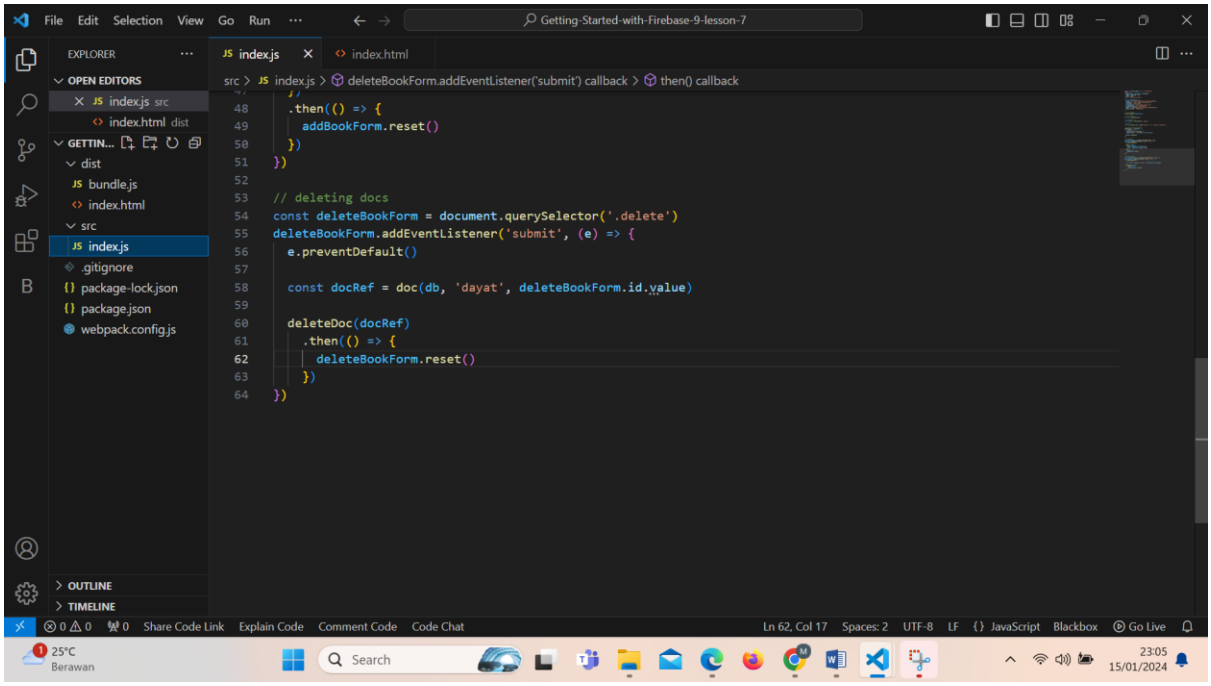


7. Firbase Queeries..

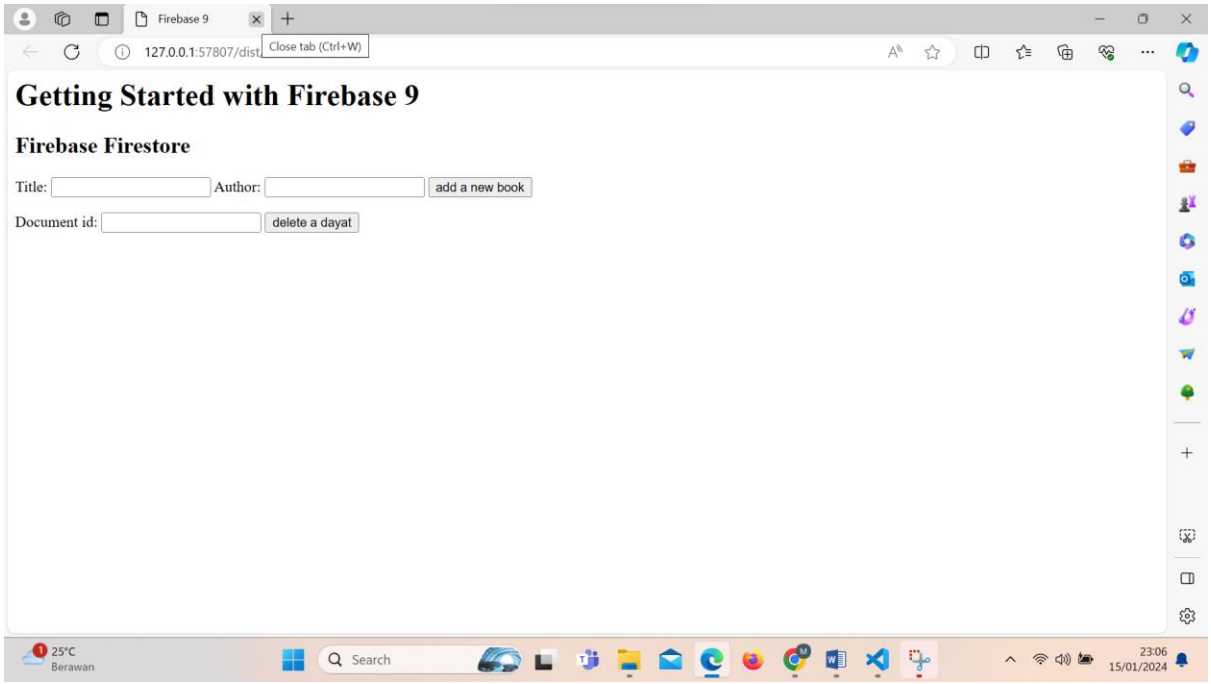
Untuk konfigurasi queries pada visual studio code agar terhubung pada firebase, tambahkan codingan di bawah ini pada bagian index.js


File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-7
EXPLORER
index.js
index.html
src > index.js > deleteBookForm.addEventListener('submit') callback > then() callback
Click here to ask Blackbox to help you code faster
OPEN EDITORS
index.js src
index.html dist
GETTIN...
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
import { initializeApp } from 'firebase/app'
import {
getFirestore, collection, onSnapshot,
addDoc, deleteDoc, doc,
query, where
} from 'firebase/firestore'
const firebaseConfig = {
apiKey: "AIzaSyDp_P44EpI50k2J-LL5CcKbcjQvuAVV8wk",
authDomain: "iqbal-a310d.firebaseapp.com",
projectId: "iqbal-a310d",
storageBucket: "iqbal-a310d.appspot.com",
messagingSenderId: "496454966341",
appId: "1:496454966341:web:77f1fbfff7407d25f7d72c",
measurementId: "G-P3HG1CSL51"
}
// init firebase
initializeApp(firebaseConfig)
// init services
const db = getFirestore()
// collection ref
const colRef = collection(db, 'dayat')
// queries
const q = query(colRef, where("author", "==", "patrick rothfuss"))
Share Code Link Explain Code Comment Code Code Chat
Ln 62, Col 17 Spaces: 2 UTF-8 LF {} JavaScript Blackbox Go Live
25°C Berawan
Search
23:05 15/01/2024


File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-7
EXPLORER
index.js
index.html
src > index.js > deleteBookForm.addEventListener('submit') callback > then() callback
OPEN EDITORS
index.js src
index.html dist
GETTIN...
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
const q = query(colRef, where("author", "==", "patrick rothfuss"))
// realtime collection data
onSnapshot(q, (snapshot) => {
let books = []
snapshot.docs.forEach(doc => {
books.push({ ...doc.data(), id: doc.id })
})
console.log(books)
})
// adding docs
const addBookForm = document.querySelector('.add')
addBookForm.addEventListener('submit', (e) => {
e.preventDefault()
addDoc(colRef, {
title: addBookForm.title.value,
author: addBookForm.author.value,
})
.then(() => {
addBookForm.reset()
})
})
// deleting docs
const deleteBookForm = document.querySelector('.delete')
deleteBookForm.addEventListener('submit', (e) => {
e.preventDefault()
Share Code Link Explain Code Comment Code Code Chat
Ln 62, Col 17 Spaces: 2 UTF-8 LF {} JavaScript Blackbox Go Live
25°C Berawan
Search
23:05 15/01/2024

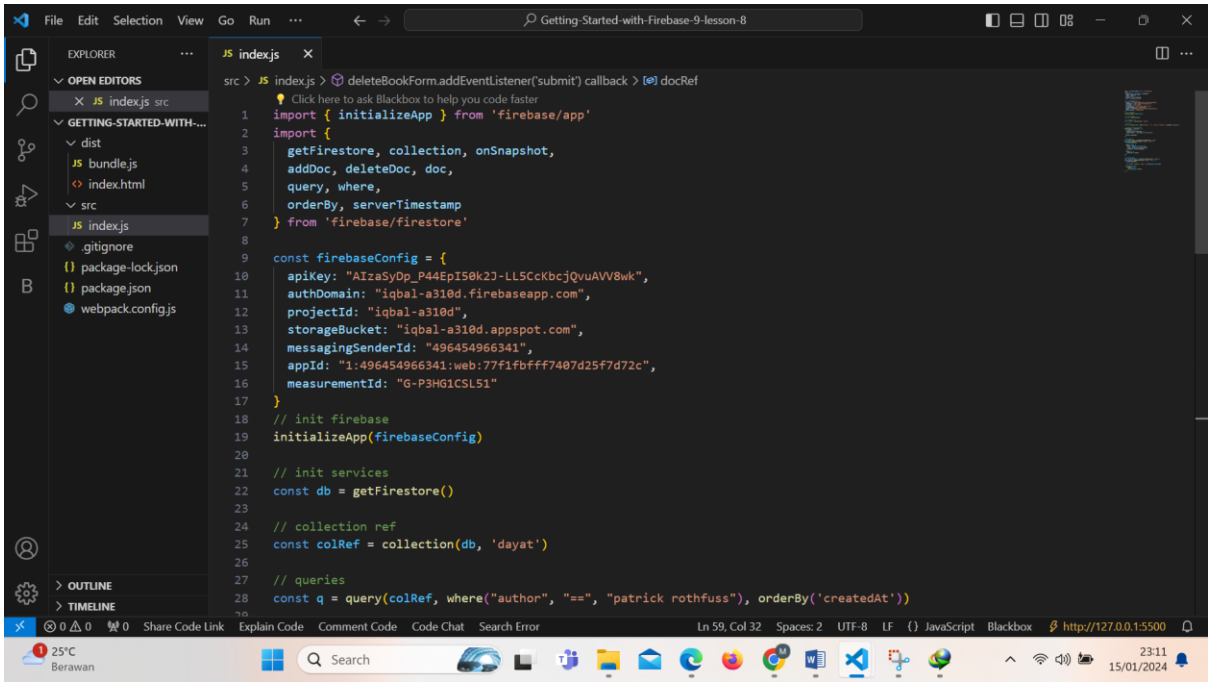


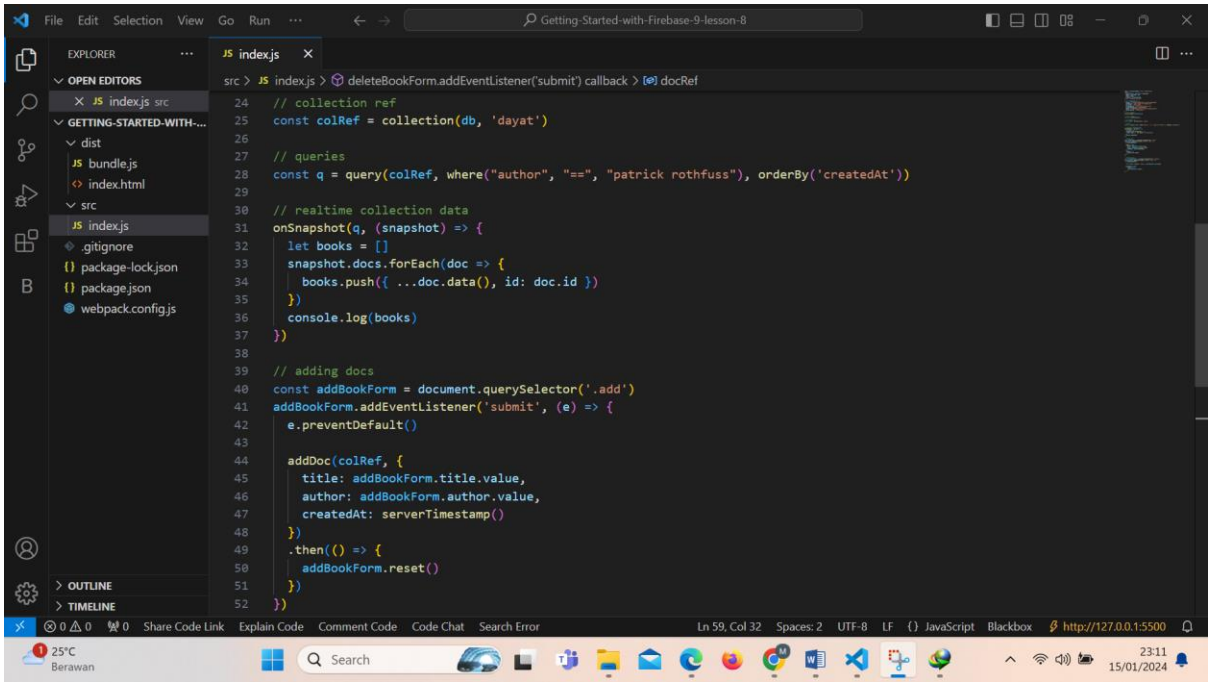
Hasil Output :

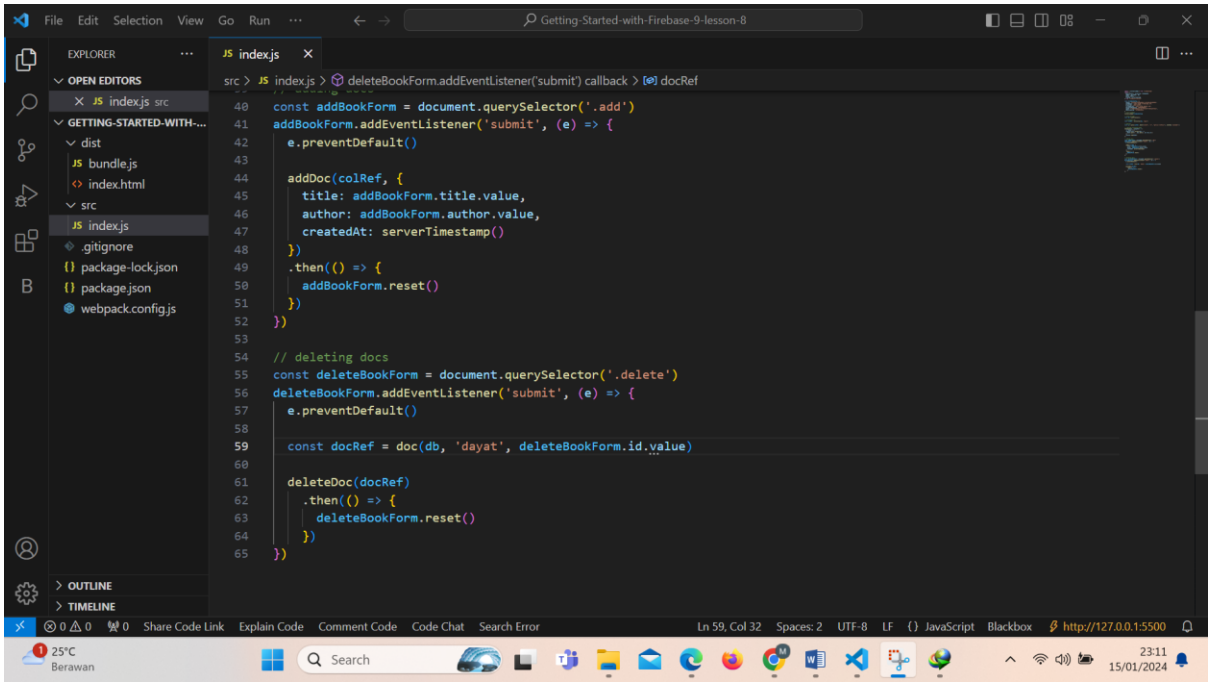


8. Ordering data dan timestamps.

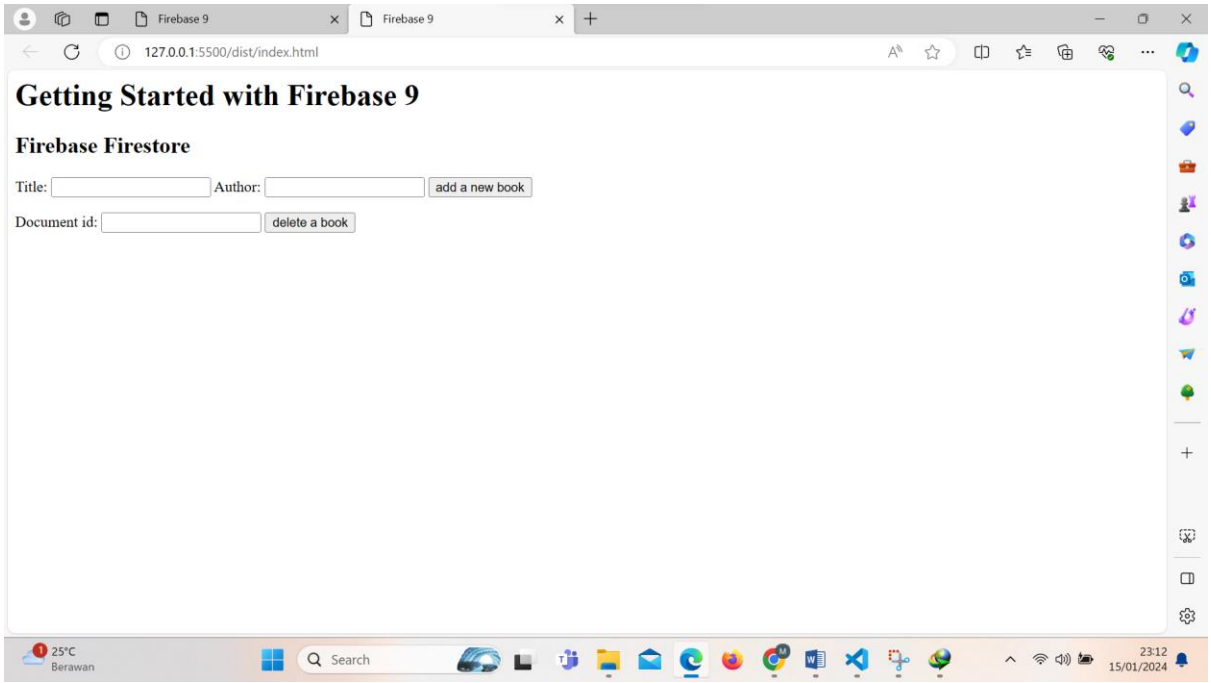
Untuk konfigurasi data dan timestamps, tambahkan codingan berikut pada index.js..


File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-8
EXPLORER
index.js
OPEN EDITORS
index.js src
GETTING-STARTED-WITH-...
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
src > index.js > deleteBookForm.addEventListener('submit') callback > docRef
Click here to ask Blackbox to help you code faster
import { initializeApp } from 'firebase/app'
import {
getFirestore, collection, onSnapshot,
addDoc, deleteDoc, doc,
query, where,
orderBy, serverTimestamp
} from 'firebase/firestore'
const firebaseConfig = {
apiKey: "AIzaSyDp_P44EpI50k2J-LL5CcKbcjQvuAVV8wk",
authDomain: "iqbal-a310d.firebaseapp.com",
projectId: "iqbal-a310d",
storageBucket: "iqbal-a310d.appspot.com",
messagingSenderId: "496454966341",
appId: "1:496454966341:web:77f1fbfff7407d25f7d72c",
measurementId: "G-P3HG1CSL51"
}
// init firebase
initializeApp(firebaseConfig)
// init services
const db = getFirestore()
// collection ref
const colRef = collection(db, 'dayat')
// queries
const q = query(colRef, where("author", "==", "patrick rothfuss"), orderBy('createdAt'))
Share Code Link Explain Code Comment Code Code Chat Search Error
Ln 59, Col 32 Spaces: 2 UTF-8 LF {} JavaScript Blackbox http://127.0.0.1:5500
25°C Berawan
Search
23:11 15/01/2024


File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-8
EXPLORER
index.js
OPEN EDITORS
index.js src
GETTING-STARTED-WITH-...
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
src > index.js > deleteBookForm.addEventListener('submit') callback > docRef
// collection ref
const colRef = collection(db, 'dayat')
// queries
const q = query(colRef, where("author", "==", "patrick rothfuss"), orderBy('createdAt'))
// realtime collection data
onSnapshot(q, (snapshot) => {
let books = []
snapshot.docs.forEach(doc => {
books.push({ ...doc.data(), id: doc.id })
})
console.log(books)
})
// adding docs
const addBookForm = document.querySelector('.add')
addBookForm.addEventListener('submit', (e) => {
e.preventDefault()
addDoc(colRef, {
title: addBookForm.title.value,
author: addBookForm.author.value,
createdAt: serverTimestamp()
})
.then(() => {
addBookForm.reset()
})
})
Share Code Link Explain Code Comment Code Code Chat Search Error
Ln 59, Col 32 Spaces: 2 UTF-8 LF {} JavaScript Blackbox http://127.0.0.1:5500
25°C Berawan
Search
23:11 15/01/2024

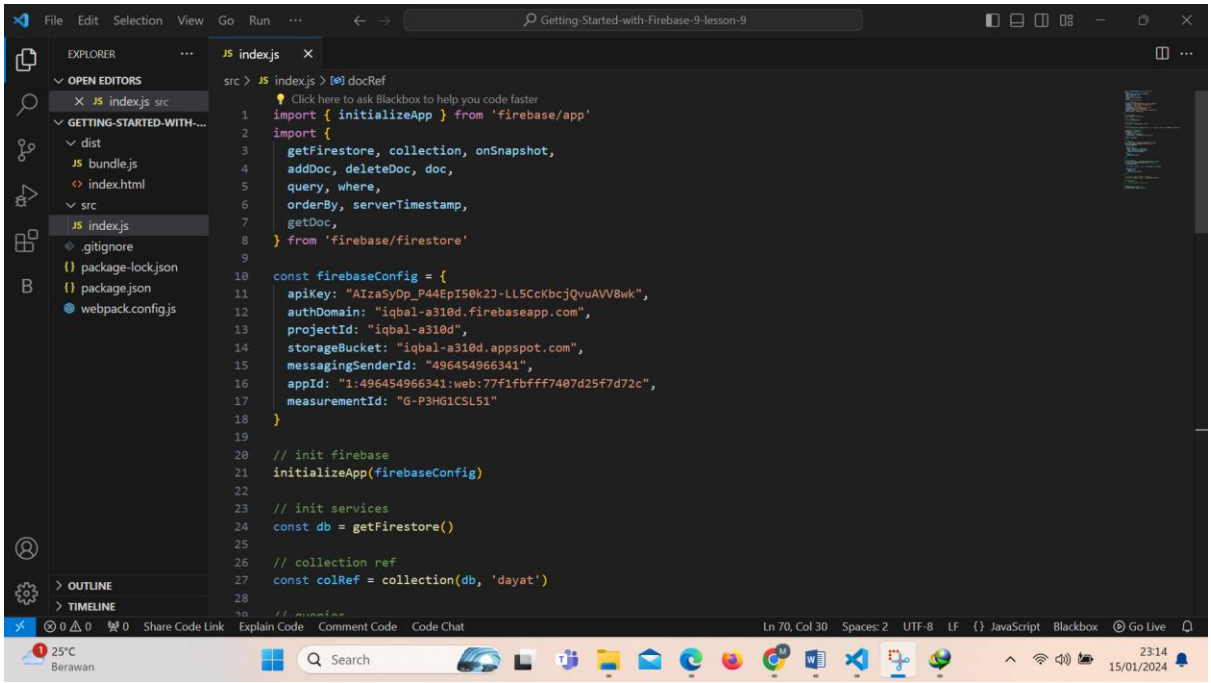


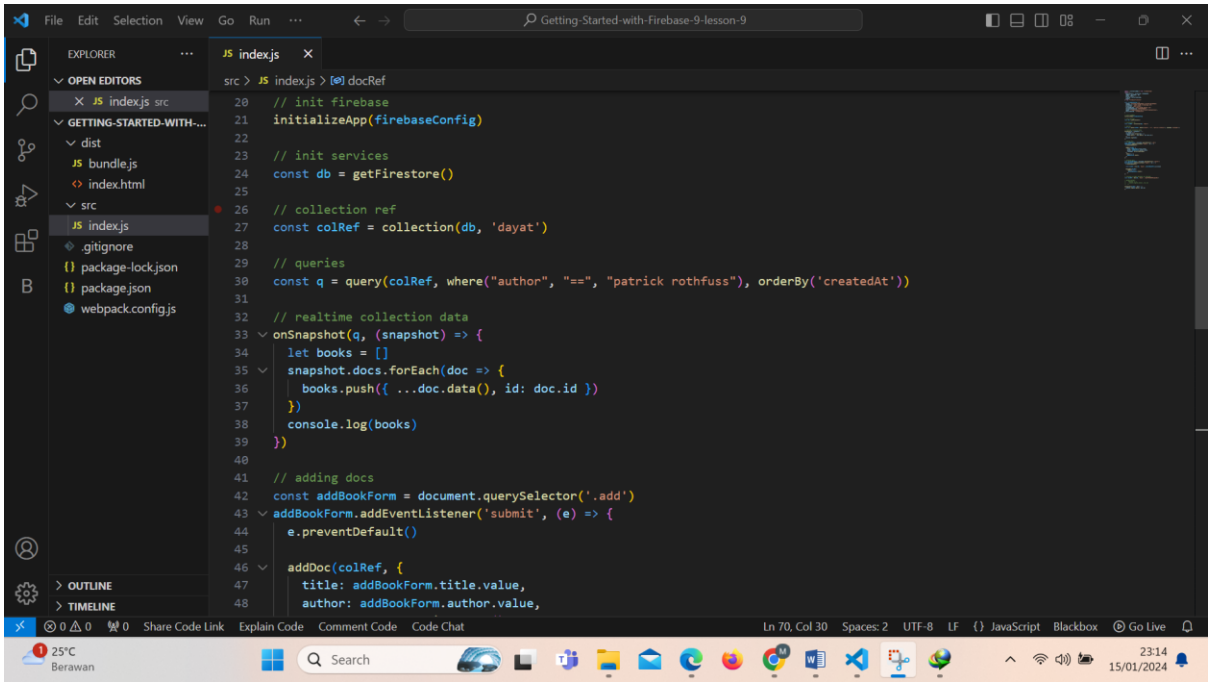
Hasil Output :

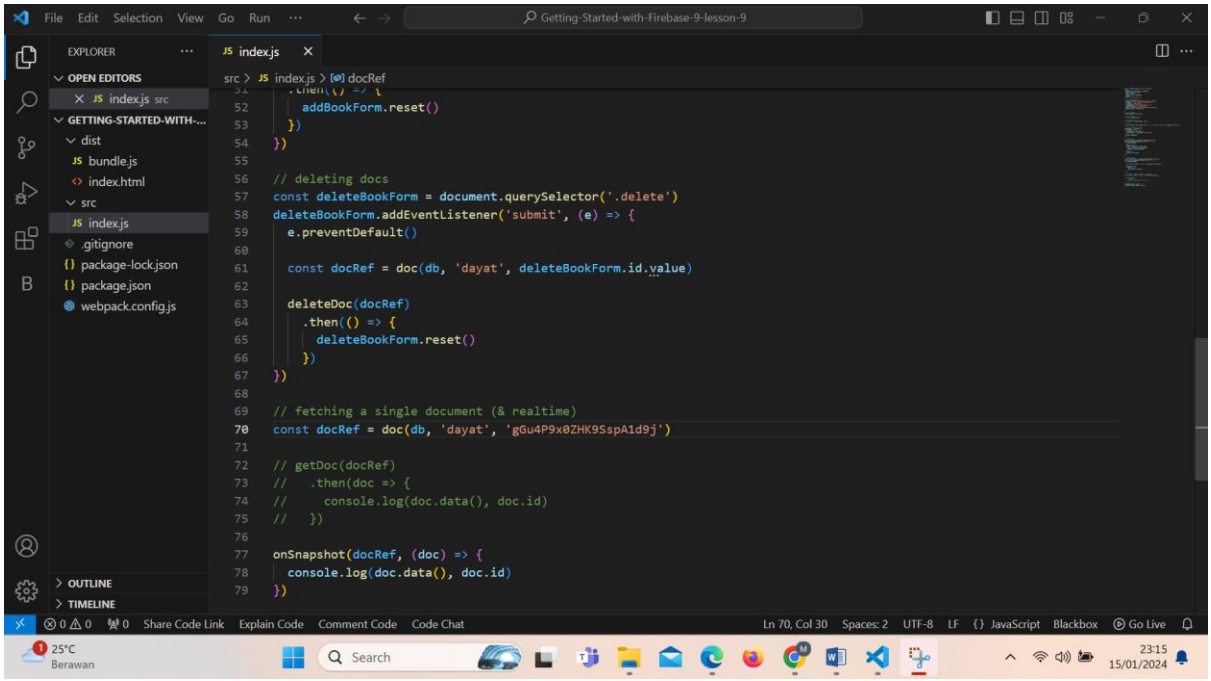


9. Fetching A Single Document.

Untuk fletching a single document , tambahkan format codingan berikut pada program sebelumnya di halaman index.js yaitu get.

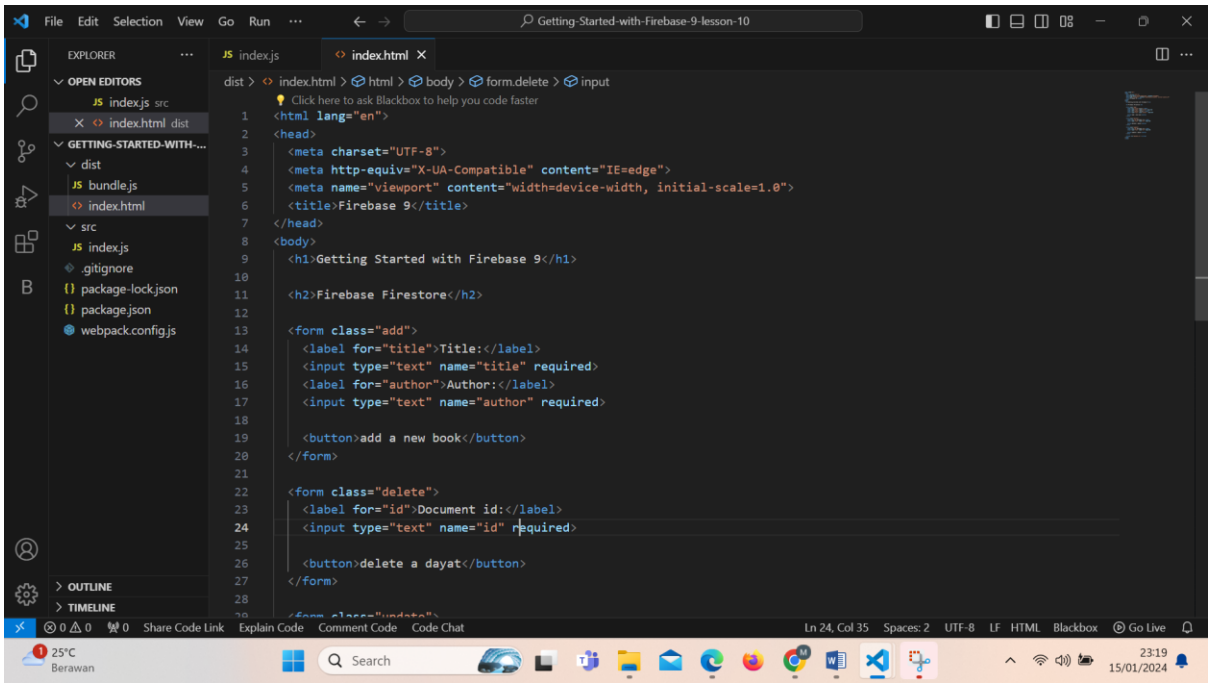

File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-9
EXPLORER
index.js
OPEN EDITORS
index.js src
GETTING-STARTED-WITH-...
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
src > index.js > docRef
Click here to ask Blackbox to help you code faster
import { initializeApp } from 'firebase/app'
import {
getFirestore, collection, onSnapshot,
addDoc, deleteDoc, doc,
query, where,
orderBy, serverTimestamp,
getDoc,
} from 'firebase/firestore'
const firebaseConfig = {
apiKey: "AIzaSyDp_P44EpI50k2J-LL5CcKbcjQvuAVV8wk",
authDomain: "iqbal-a310d.firebaseapp.com",
projectId: "iqbal-a310d",
storageBucket: "iqbal-a310d.appspot.com",
messagingSenderId: "496454966341",
appId: "1:496454966341:web:77f1fbfff7407d25f7d72c",
measurementId: "G-P3HG1CSL51"
}
// init firebase
initializeApp(firebaseConfig)
// init services
const db = getFirestore()
// collection ref
const colRef = collection(db, 'dayat')
Share Code Link Explain Code Comment Code Code Chat
Ln 70, Col 30 Spaces: 2 UTF-8 LF {} JavaScript Blackbox Go Live
25°C Berawan
Search
23:14 15/01/2024

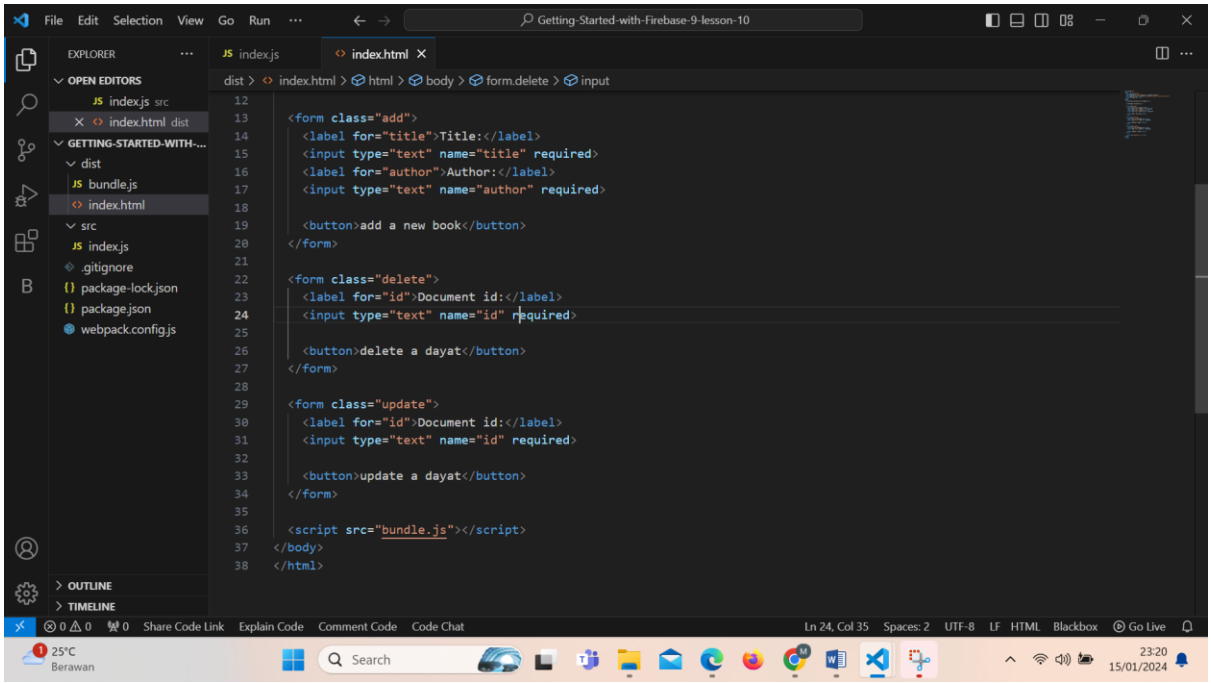

File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-9
EXPLORER
index.js
OPEN EDITORS
index.js src
GETTING-STARTED-WITH-...
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
src > index.js > docRef
// init firebase
initializeApp(firebaseConfig)
// init services
const db = getFirestore()
// collection ref
const colRef = collection(db, 'dayat')
// queries
const q = query(colRef, where("author", "==", "patrick rothfuss"), orderBy('createdAt'))
// realtime collection data
onSnapshot(q, (snapshot) => {
let books = []
snapshot.docs.forEach(doc => {
books.push({ ...doc.data(), id: doc.id })
})
console.log(books)
})
// adding docs
const addBookForm = document.querySelector('.add')
addBookForm.addEventListener('submit', (e) => {
e.preventDefault()
addDoc(colRef, {
title: addBookForm.title.value,
author: addBookForm.author.value,
Share Code Link Explain Code Comment Code Code Chat
Ln 70, Col 30 Spaces: 2 UTF-8 LF {} JavaScript Blackbox Go Live
25°C Berawan
Search
23:14 15/01/2024

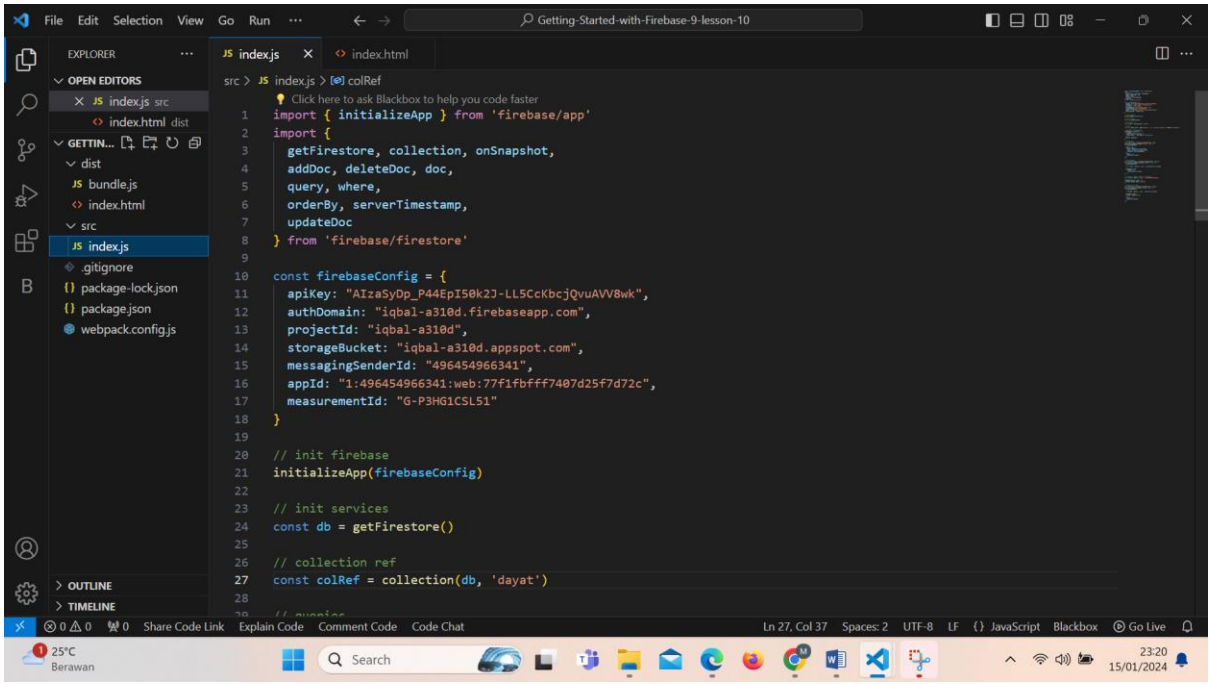


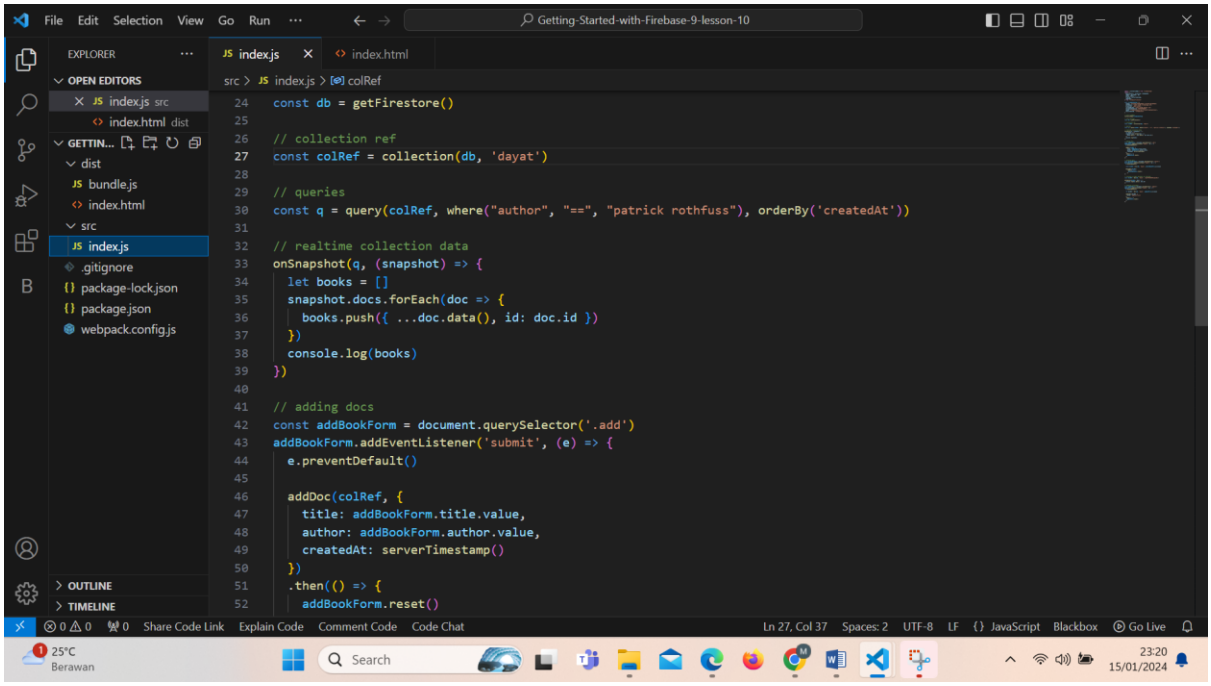
10. Updating Document

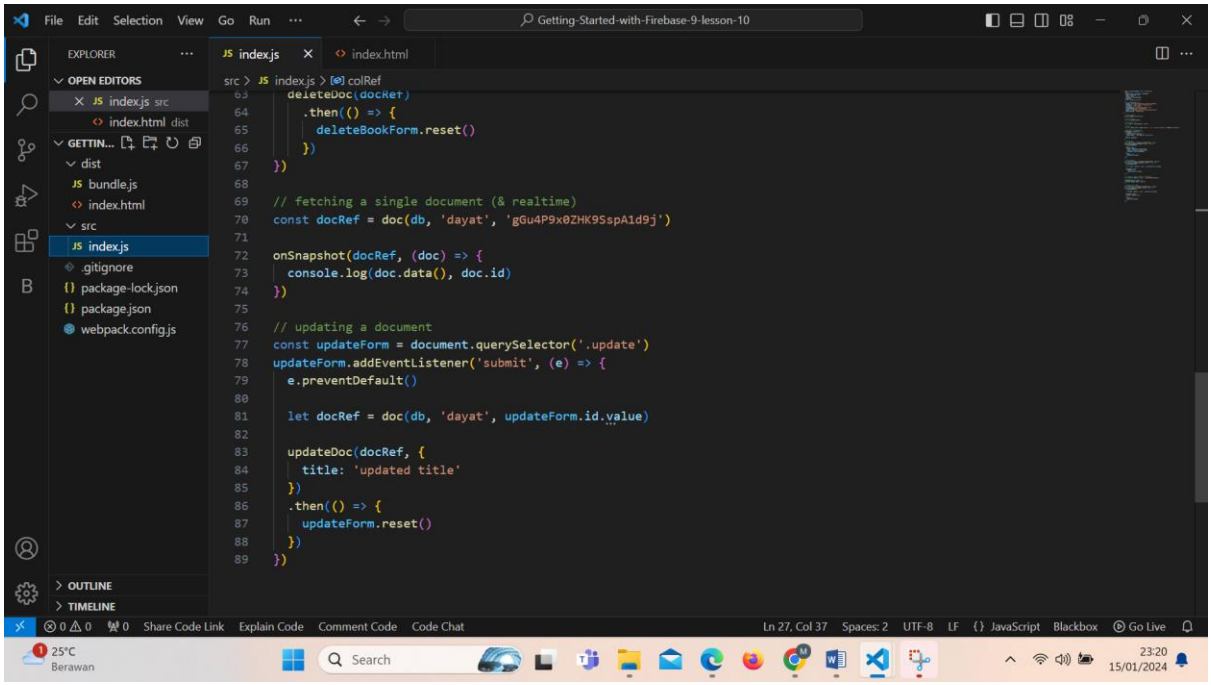
Untuk Update document , tambahkan format codingan berikut pada program sebelumnya di halaman index.js dan index.html seperti dibawah ini :



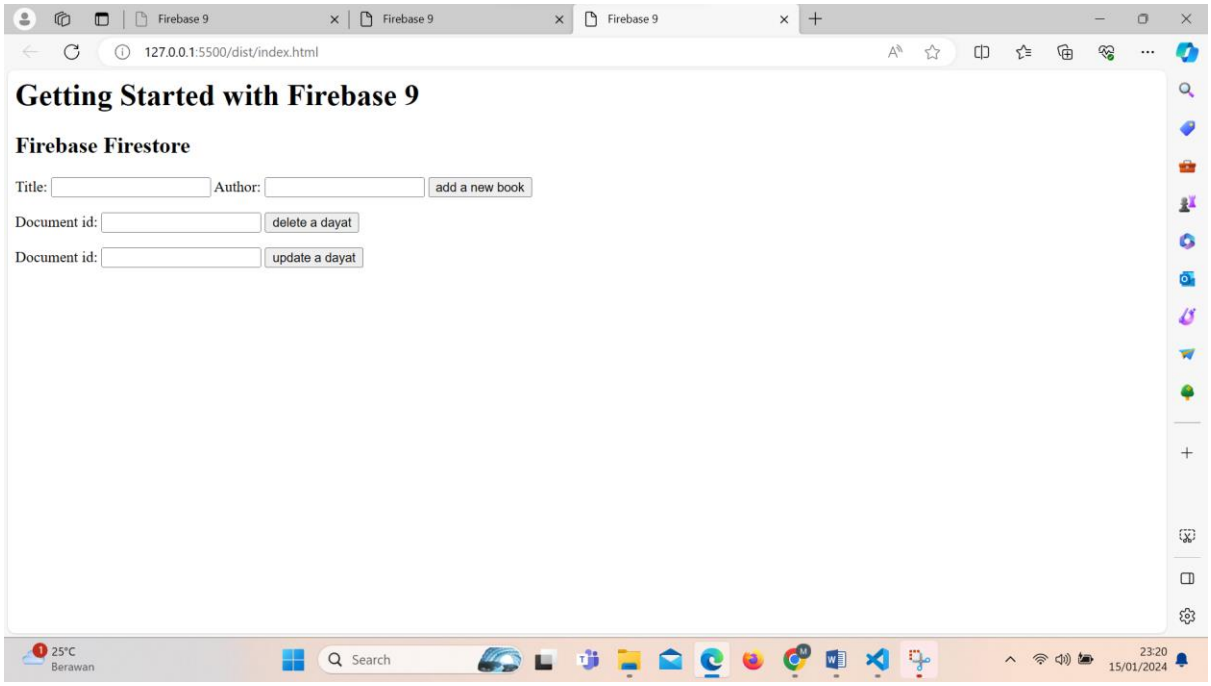

File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-10
EXPLORER
OPEN EDITORS
index.js src
index.html dist
GETTING-STARTED-WITH-...
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
index.js
index.html
dist > index.html > html > body > form.delete > input
<form class="add">
<label for="title">Title:</label>
<input type="text" name="title" required>
<label for="author">Author:</label>
<input type="text" name="author" required>
<button>add a new book</button>
</form>
<form class="delete">
<label for="id">Document id:</label>
<input type="text" name="id" required>
<button>delete a dayat</button>
</form>
<form class="update">
<label for="id">Document id:</label>
<input type="text" name="id" required>
<button>update a dayat</button>
</form>
<script src="bundle.js"></script>
</body>
</html>
Share Code Link Explain Code Comment Code Code Chat
Ln 24, Col 35 Spaces: 2 UTF-8 LF HTML Blackbox Go Live
25°C Berawan
Search
23:20 15/01/2024


File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-10
EXPLORER
OPEN EDITORS
index.js src
index.html dist
GETTIN...
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
index.js
index.html
src > index.js > colRef
Click here to ask Blackbox to help you code faster
import { initializeApp } from 'firebase/app'
import {
getFirestore, collection, onSnapshot,
addDoc, deleteDoc, doc,
query, where,
orderBy, serverTimestamp,
updateDoc
} from 'firebase/firestore'
const firebaseConfig = {
apiKey: "AIzaSyDp_P44EpI50k2J-LL5CcKbcjQvuAVV8wk",
authDomain: "iqbal-a310d.firebaseapp.com",
projectId: "iqbal-a310d",
storageBucket: "iqbal-a310d.appspot.com",
messagingSenderId: "496454966341",
appId: "1:496454966341:web:77f1fbfff7407d25f7d72c",
measurementId: "G-P3HG1CSL51"
}
// init firebase
initializeApp(firebaseConfig)
// init services
const db = getFirestore()
// collection ref
const colRef = collection(db, 'dayat')
Share Code Link Explain Code Comment Code Code Chat
Ln 27, Col 37 Spaces: 2 UTF-8 LF {} JavaScript Blackbox Go Live
25°C Berawan
Search
23:20 15/01/2024


File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-10
EXPLORER
index.js
index.html
src > index.js > colRef
OPEN EDITORS
index.js src
index.html dist
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
const db = getFirestore()
// collection ref
const colRef = collection(db, 'dayat')
// queries
const q = query(colRef, where("author", "==", "patrick rothfuss"), orderBy('createdAt'))
// realtime collection data
onSnapshot(q, (snapshot) => {
let books = []
snapshot.docs.forEach(doc => {
books.push({ ...doc.data(), id: doc.id })
})
console.log(books)
})
// adding docs
const addBookForm = document.querySelector('.add')
addBookForm.addEventListener('submit', (e) => {
e.preventDefault()
addDoc(colRef, {
title: addBookForm.title.value,
author: addBookForm.author.value,
createdAt: serverTimestamp()
})
.then(() => {
addBookForm.reset()
Share Code Link
Explain Code
Comment Code
Code Chat
Ln 27, Col 37
Spaces: 2
UTF-8
LF
JavaScript
Blackbox
Go Live
25°C
Berawan
Search
23:20
15/01/2024

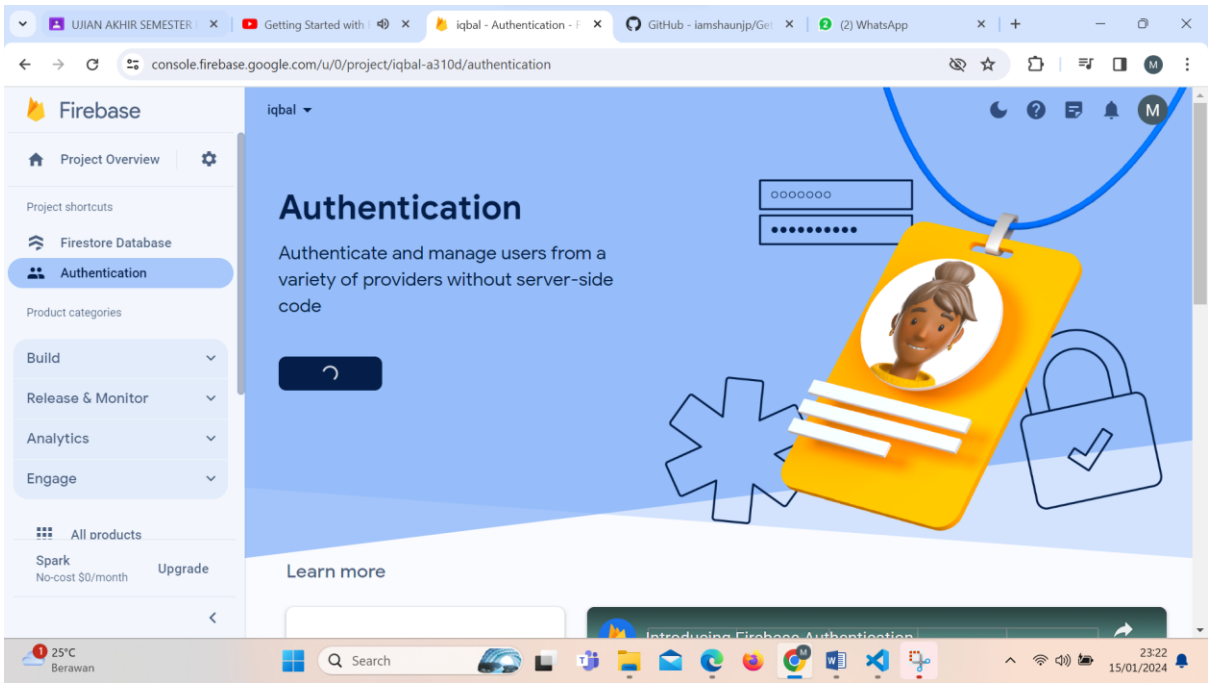

File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-10
EXPLORER
index.js
index.html
src > index.js > colRef
OPEN EDITORS
index.js src
index.html dist
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
.then(() => {
deleteBookForm.reset()
})
})
// fetching a single document (& realtime)
const docRef = doc(db, 'dayat', 'gGu4P9x0ZHK9SspA1d9j')
onSnapshot(docRef, (doc) => {
console.log(doc.data(), doc.id)
})
// updating a document
const updateForm = document.querySelector('.update')
updateForm.addEventListener('submit', (e) => {
e.preventDefault()
let docRef = doc(db, 'dayat', updateForm.id.value)
updateDoc(docRef, {
title: 'updated title'
})
.then(() => {
updateForm.reset()
})
})
Share Code Link
Explain Code
Comment Code
Code Chat
Ln 27, Col 37
Spaces: 2
UTF-8
LF
JavaScript
Blackbox
Go Live
25°C
Berawan
Search
23:20
15/01/2024

Hasil Output :

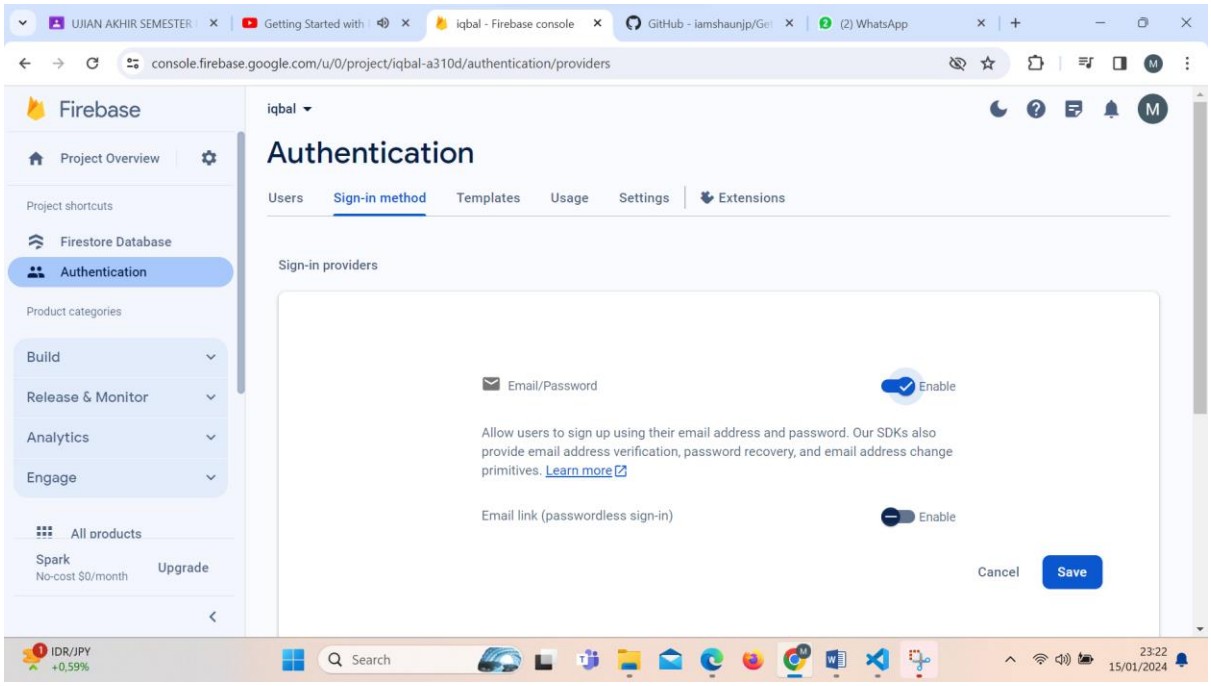


11. **Setting Firebase Auth**

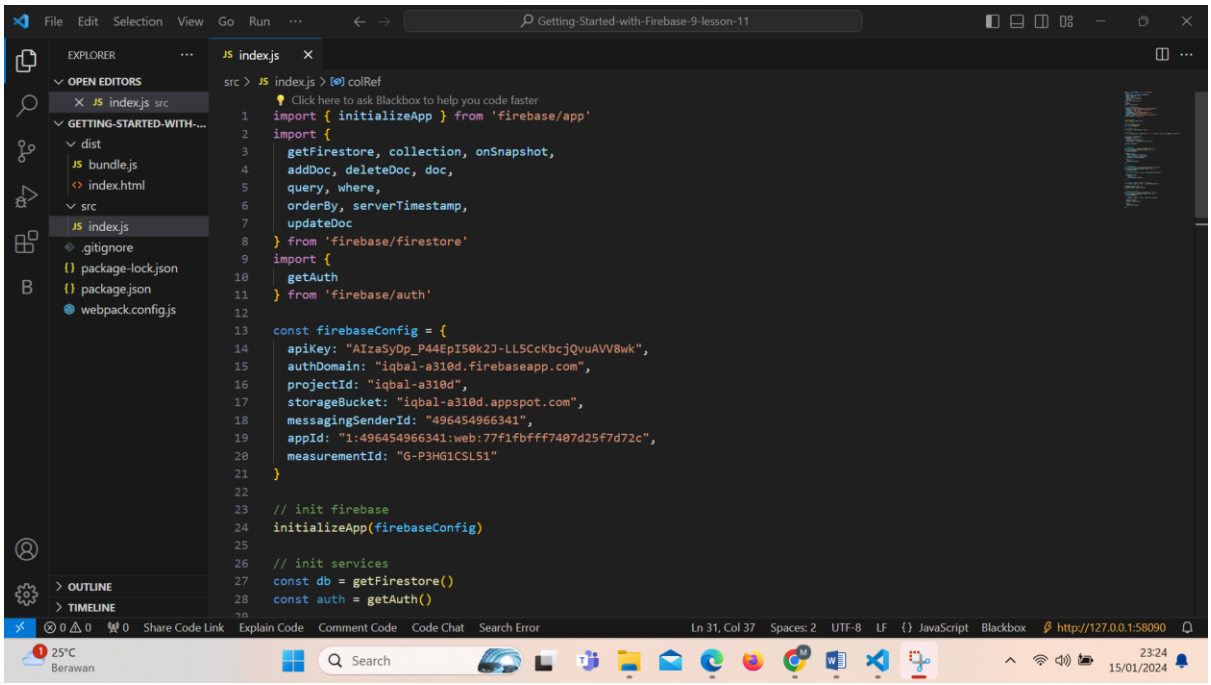
Mulai dulu started pada firebase auth

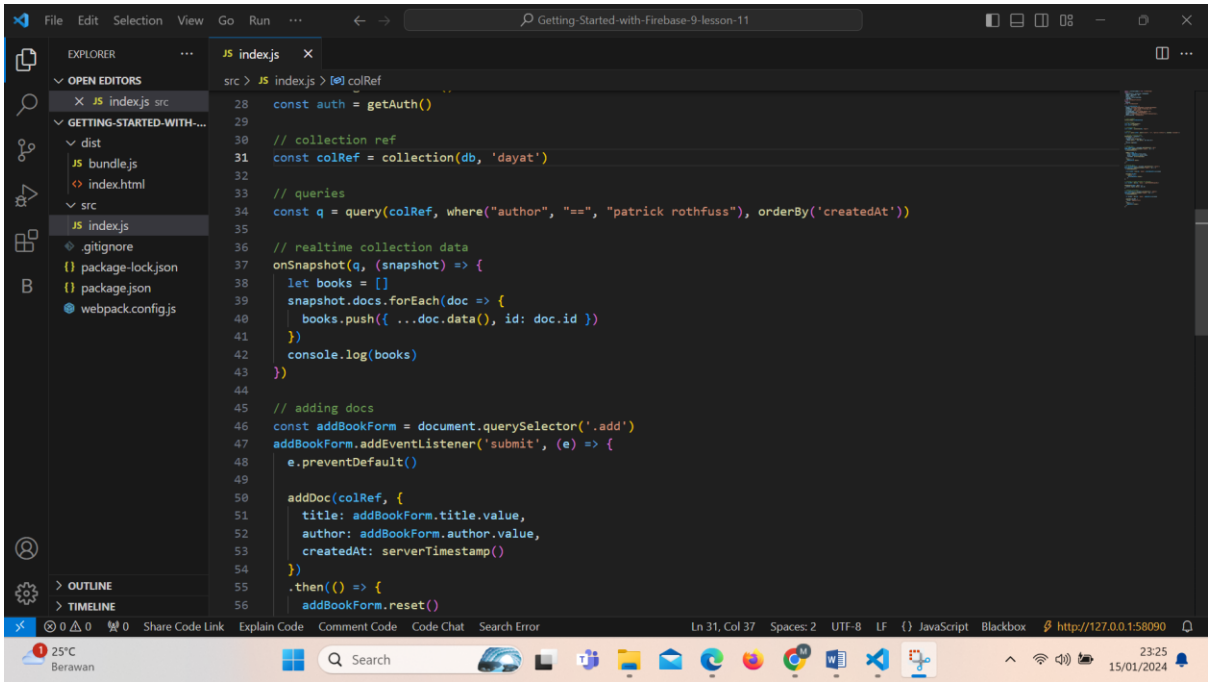


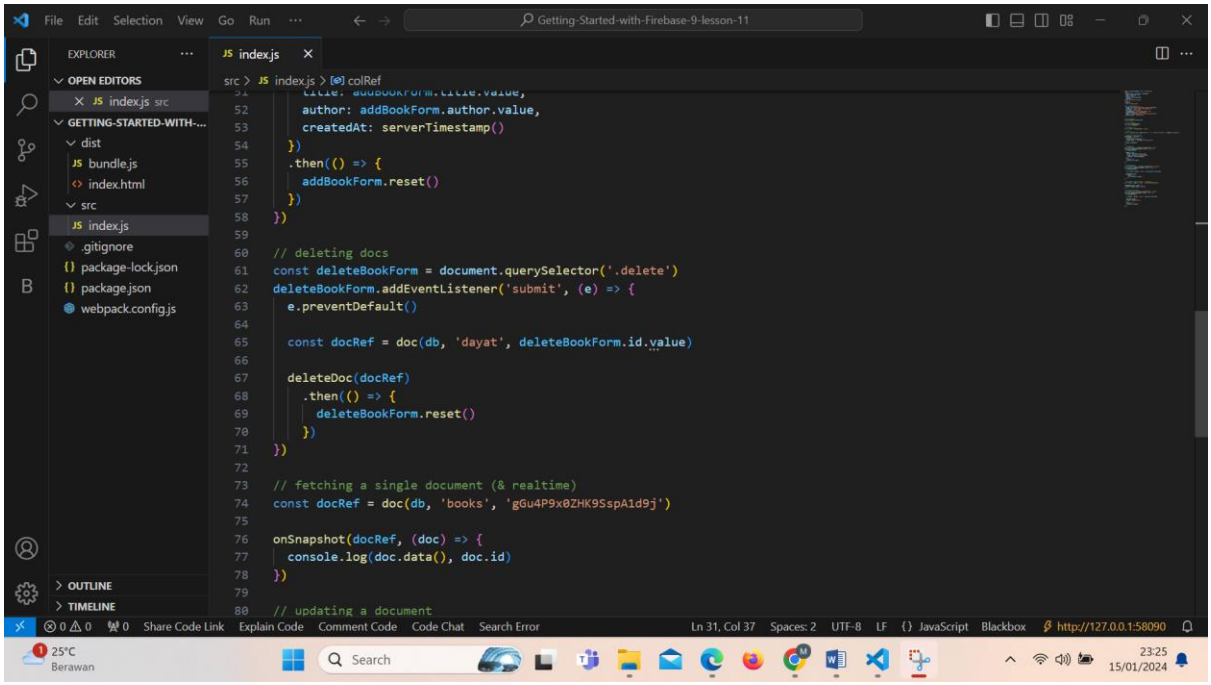
Lalu aktifkan sign in untuk auth

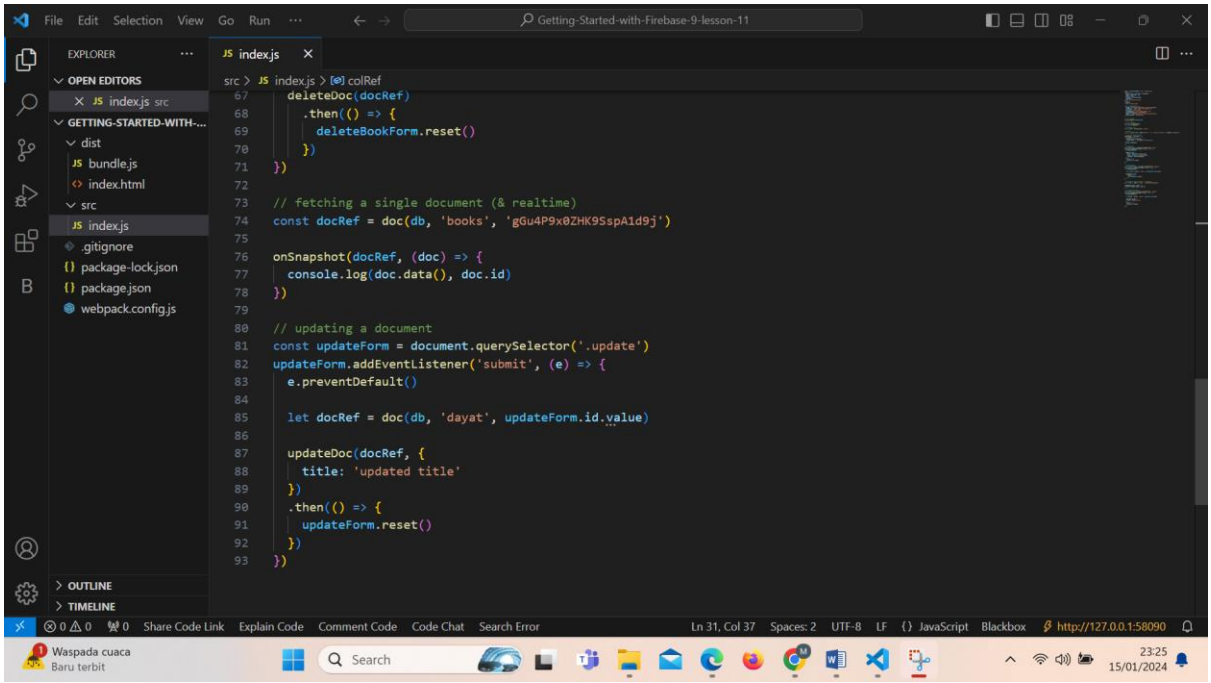


Pada index js ,tambahkan Source Code :

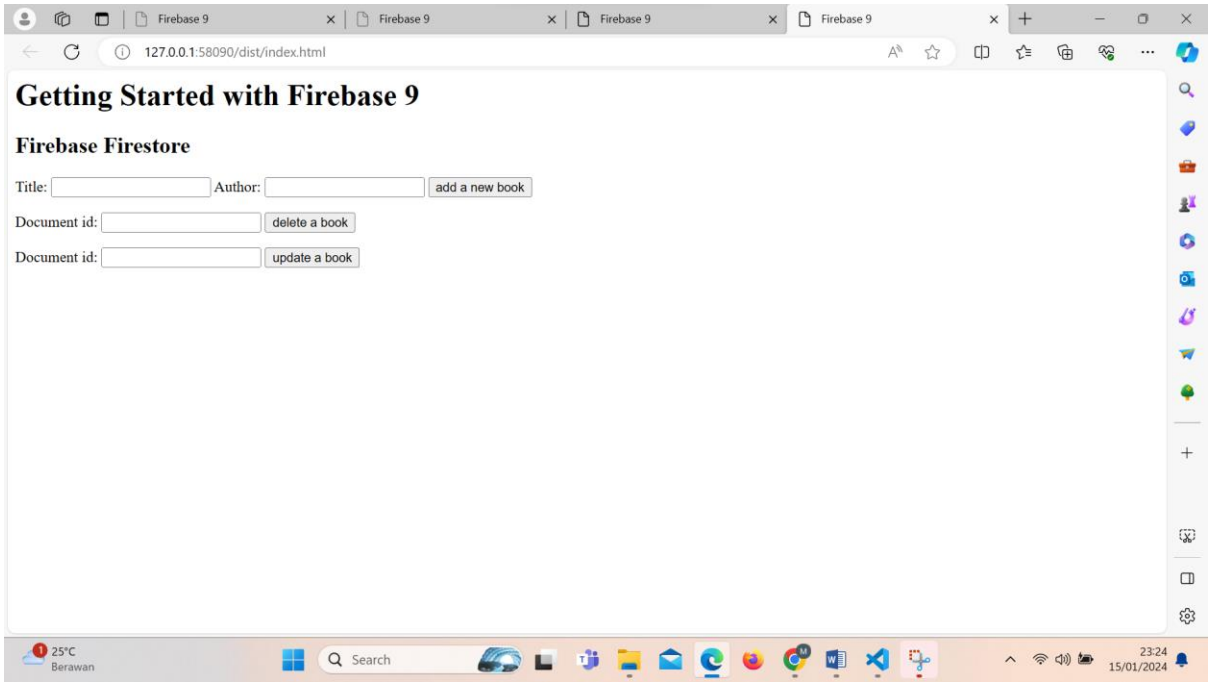



File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-11
EXPLORER
index.js
src > index.js > colRef
OPEN EDITORS
index.js src
GETTING-STARTED-WITH-...
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
const auth = getAuth()
// collection ref
const colRef = collection(db, 'dayat')
// queries
const q = query(colRef, where("author", "==", "patrick rothfuss"), orderBy('createdAt'))
// realtime collection data
onSnapshot(q, (snapshot) => {
let books = []
snapshot.docs.forEach(doc => {
books.push({ ...doc.data(), id: doc.id })
})
console.log(books)
})
// adding docs
const addBookForm = document.querySelector('.add')
addBookForm.addEventListener('submit', (e) => {
e.preventDefault()
addDoc(colRef, {
title: addBookForm.title.value,
author: addBookForm.author.value,
createdAt: serverTimestamp()
})
.then(() => {
addBookForm.reset()
Share Code Link
Explain Code
Comment Code
Code Chat
Search Error
Ln 31, Col 37
Spaces: 2
UTF-8
LF
JavaScript
Blackbox
http://127.0.0.1:58090
25°C
Berawan
Search
23:25
15/01/2024


File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-11
EXPLORER
index.js
src > index.js > colRef
OPEN EDITORS
index.js src
GETTING-STARTED-WITH-...
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
author: addBookForm.author.value,
createdAt: serverTimestamp()
})
.then(() => {
addBookForm.reset()
})
})
// deleting docs
const deleteBookForm = document.querySelector('.delete')
deleteBookForm.addEventListener('submit', (e) => {
e.preventDefault()
const docRef = doc(db, 'dayat', deleteBookForm.id.value)
deleteDoc(docRef)
.then(() => {
deleteBookForm.reset()
})
})
// fetching a single document (& realtime)
const docRef = doc(db, 'books', 'gGu4P9x0ZHK9SspA1d9j')
onSnapshot(docRef, (doc) => {
console.log(doc.data(), doc.id)
})
// updating a document
Share Code Link
Explain Code
Comment Code
Code Chat
Search Error
Ln 31, Col 37
Spaces: 2
UTF-8
LF
JavaScript
Blackbox
http://127.0.0.1:58090
25°C
Berawan
Search
23:25
15/01/2024

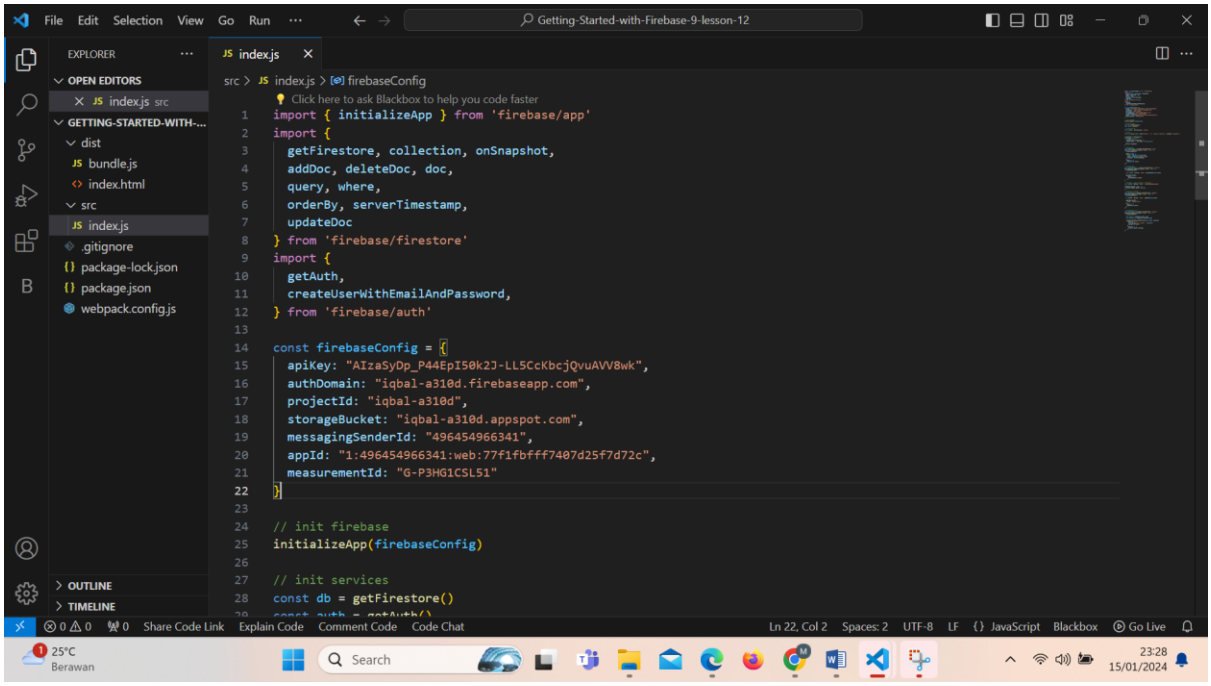


Hasil Output :

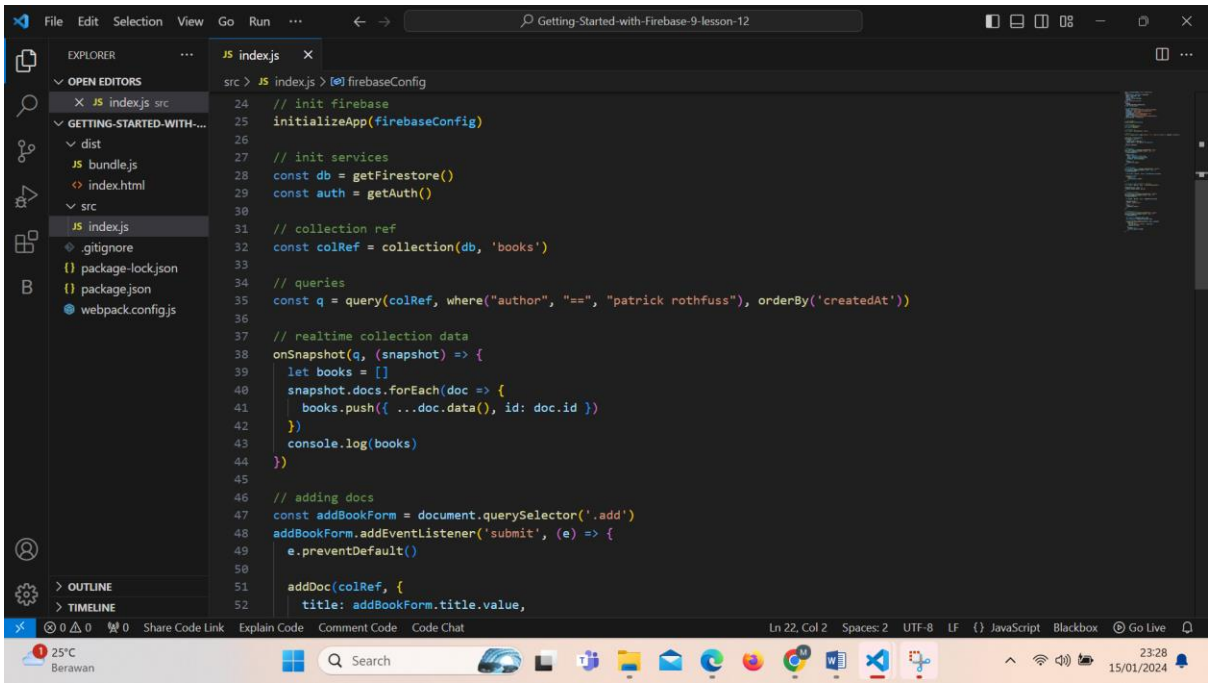


12. Sign Up user

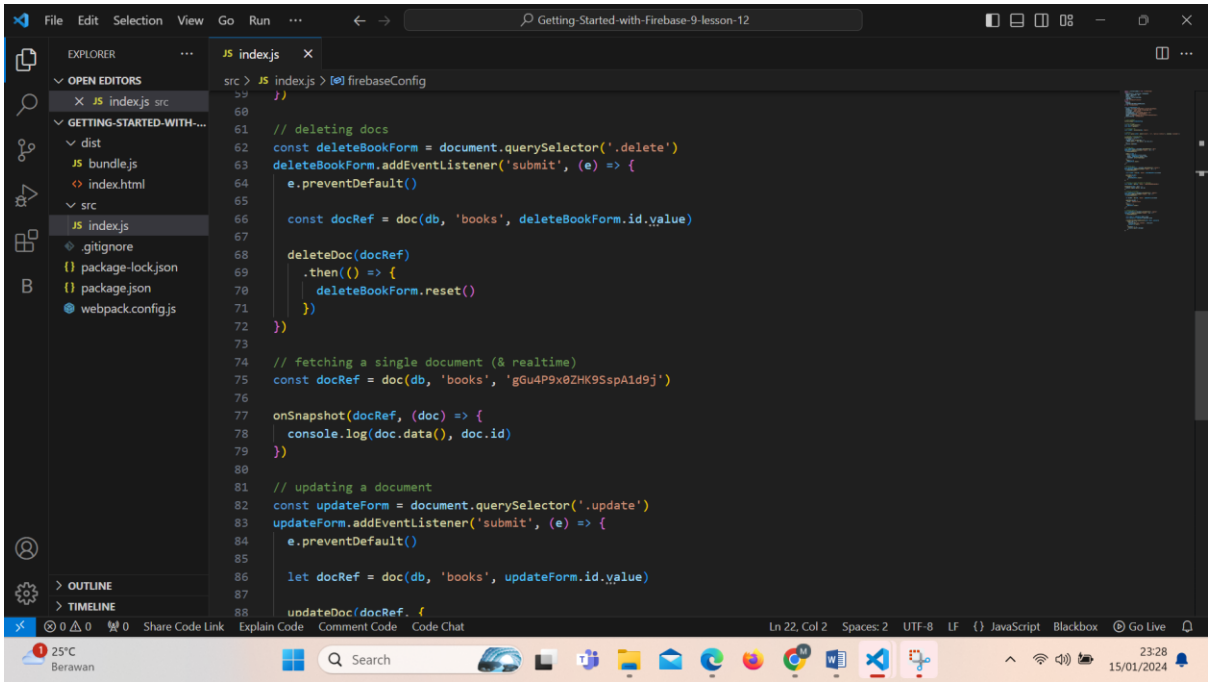
Pada index js tambahkan code berikut :

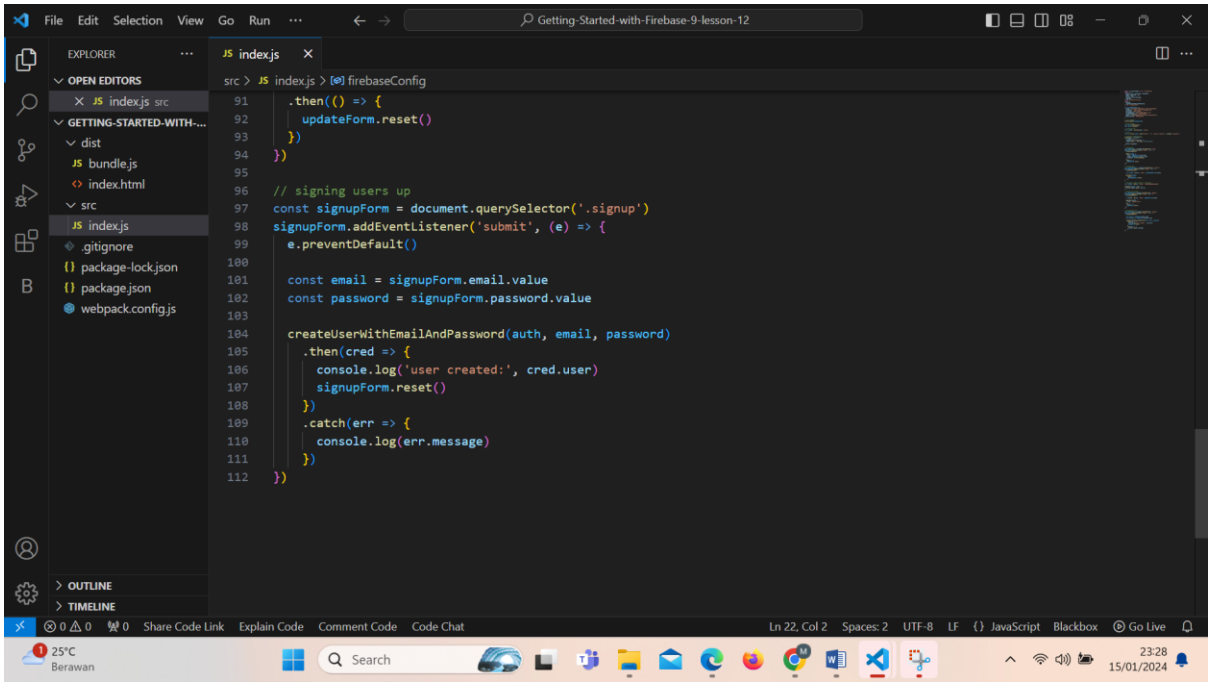


```
import { initializeApp } from 'firebase/app'
import {
  getFirestore, collection, onSnapshot,
  addDoc, deleteDoc, doc,
  query, where,
  orderBy, serverTimestamp,
  updateDoc
} from 'firebase/firestore'
import {
  getAuth,
  createUserWithEmailAndPassword,
} from 'firebase/auth'

const firebaseConfig = {
  apiKey: "AIzaSyDp_P44EpI50k2J-LL5CcKbcjQvuAVV8wk",
  authDomain: "iqbal-a310d.firebaseapp.com",
  projectId: "iqbal-a310d",
  storageBucket: "iqbal-a310d.appspot.com",
  messagingSenderId: "496454966341",
  appId: "1:496454966341:web:77f1fbfff7407d25f7d72c",
  measurementId: "G-P3HG1CSL51"
}

// init firebase
initializeApp(firebaseConfig)

// init services
const db = getFirestore()
```

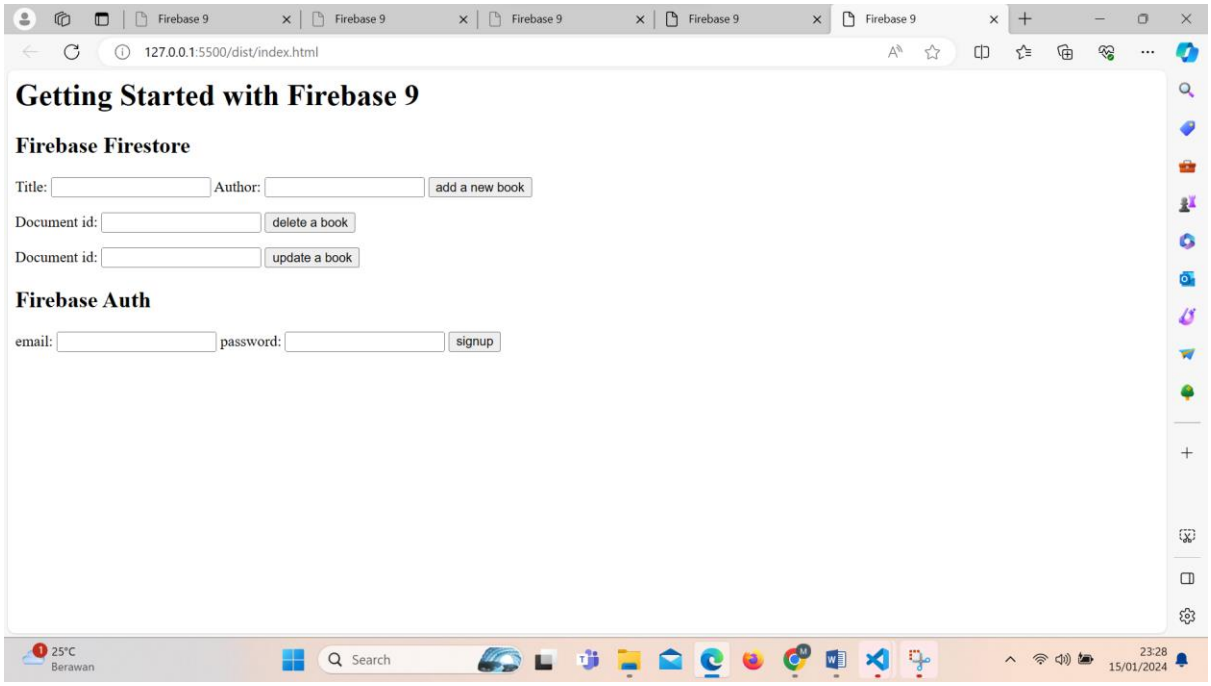


```
// init firebase
initializeApp(firebaseConfig)

// init services
const db = getFirestore()
const auth = getAuth()

// collection ref
const colRef = collection(db, 'books')

// queries
const q = query(colRef, where("author", "==", "patrick rothfuss"), orderBy('createdAt'))

// realtime collection data
onSnapshot(q, (snapshot) => {
  let books = []
  snapshot.docs.forEach(doc => {
    books.push({ ...doc.data(), id: doc.id })
  })
  console.log(books)
})

// adding docs
const addBookForm = document.querySelector('.add')
addBookForm.addEventListener('submit', (e) => {
  e.preventDefault()

  addDoc(colRef, {
    title: addBookForm.title.value,
```


File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-12
EXPLORER
index.js
src > index.js > firebaseConfig
OPEN EDITORS
index.js src
GETTING-STARTED-WITH-...
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
// deleting docs
const deleteBookForm = document.querySelector('.delete')
deleteBookForm.addEventListener('submit', (e) => {
e.preventDefault()
const docRef = doc(db, 'books', deleteBookForm.id.value)
deleteDoc(docRef)
.then(() => {
deleteBookForm.reset()
})
})
// fetching a single document (& realtime)
const docRef = doc(db, 'books', 'gGu4P9x0ZHK9SspA1d9j')
onSnapshot(docRef, (doc) => {
console.log(doc.data(), doc.id)
})
// updating a document
const updateForm = document.querySelector('.update')
updateForm.addEventListener('submit', (e) => {
e.preventDefault()
let docRef = doc(db, 'books', updateForm.id.value)
updateDoc(docRef, {
Share Code Link Explain Code Comment Code Code Chat
Ln 22, Col 2 Spaces: 2 UTF-8 LF {} JavaScript Blackbox Go Live
25°C Berawan
Search
23:28 15/01/2024

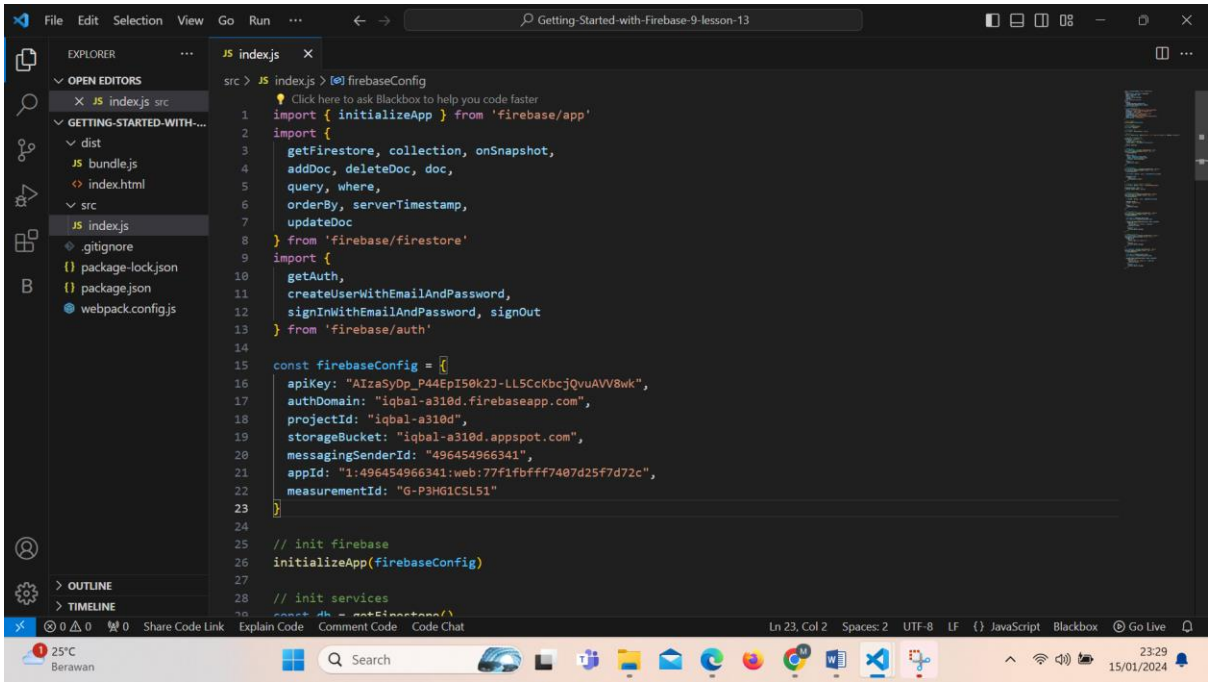

File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-12
EXPLORER
index.js
src > index.js > firebaseConfig
OPEN EDITORS
index.js src
GETTING-STARTED-WITH-...
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
.then(() => {
updateForm.reset()
})
})
// signing users up
const signupForm = document.querySelector('.signup')
signupForm.addEventListener('submit', (e) => {
e.preventDefault()
const email = signupForm.email.value
const password = signupForm.password.value
createUserWithEmailAndPassword(auth, email, password)
.then(cred => {
console.log('user created:', cred.user)
signupForm.reset()
})
.catch(err => {
console.log(err.message)
})
})
Share Code Link Explain Code Comment Code Code Chat
Ln 22, Col 2 Spaces: 2 UTF-8 LF {} JavaScript Blackbox Go Live
25°C Berawan
Search
23:28 15/01/2024

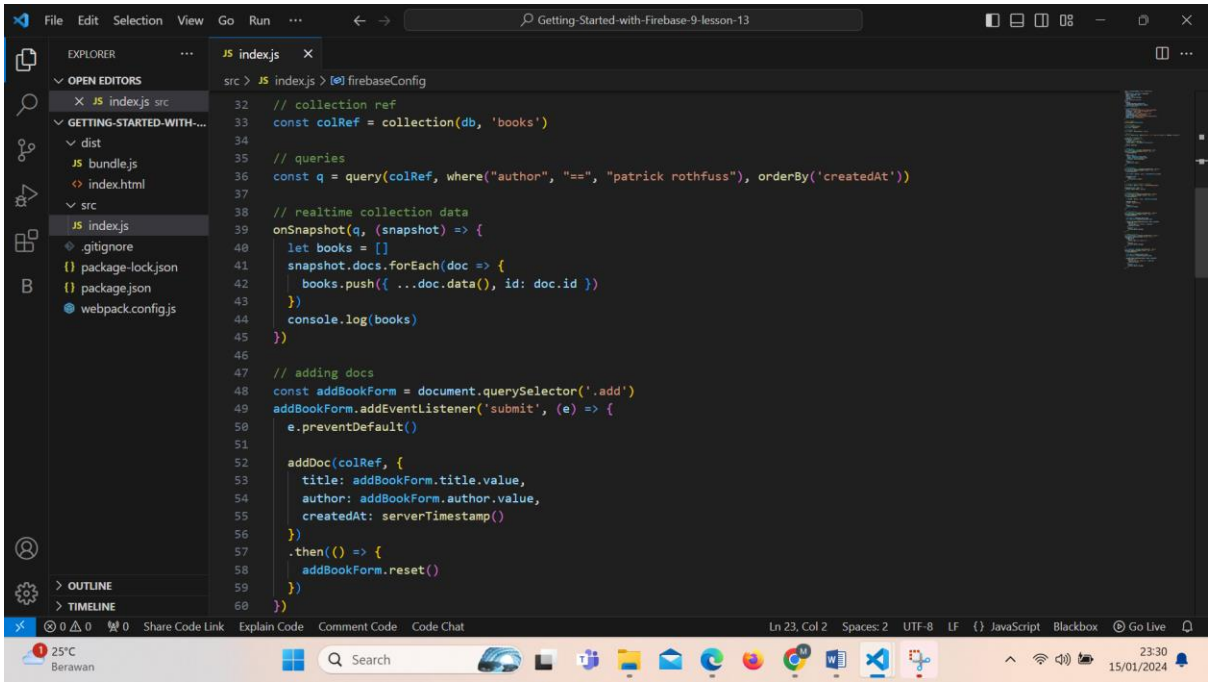
Hasil Output :

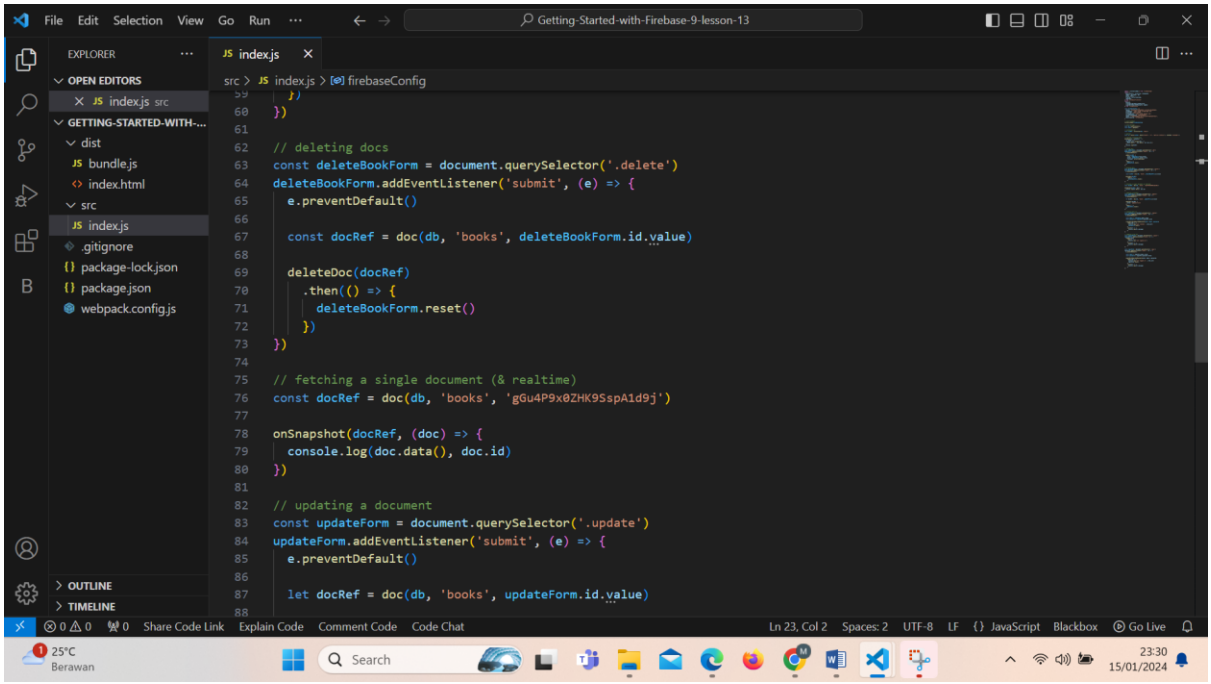


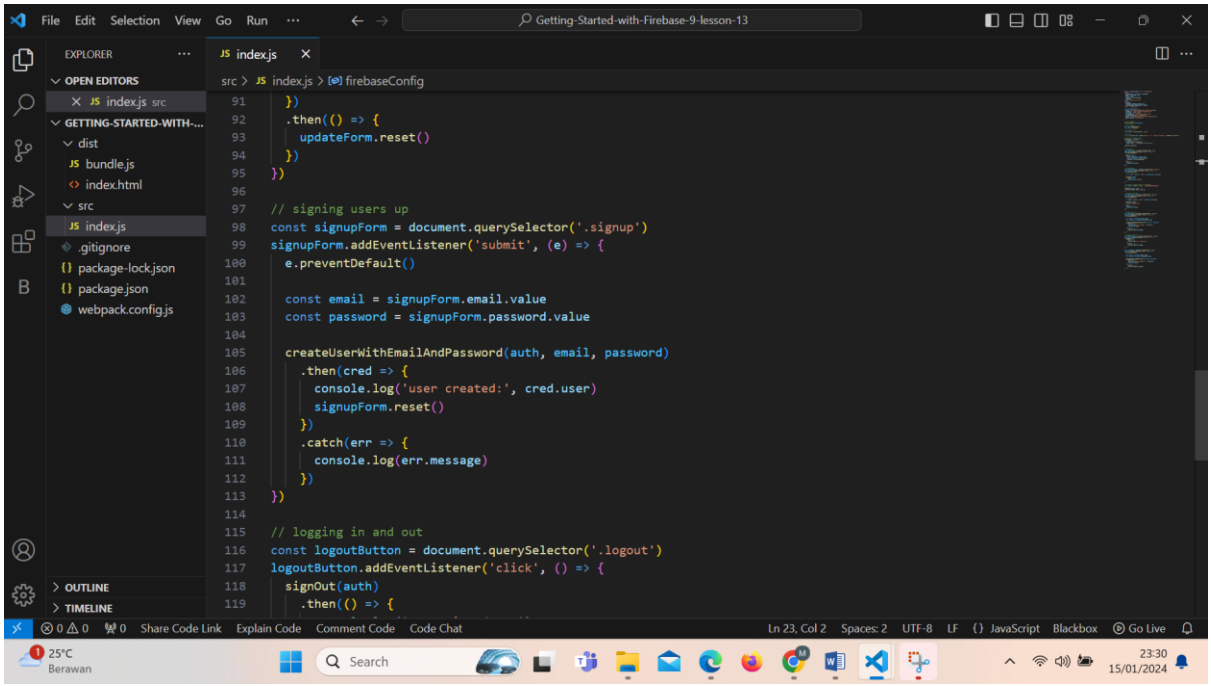
13. Login And Logout

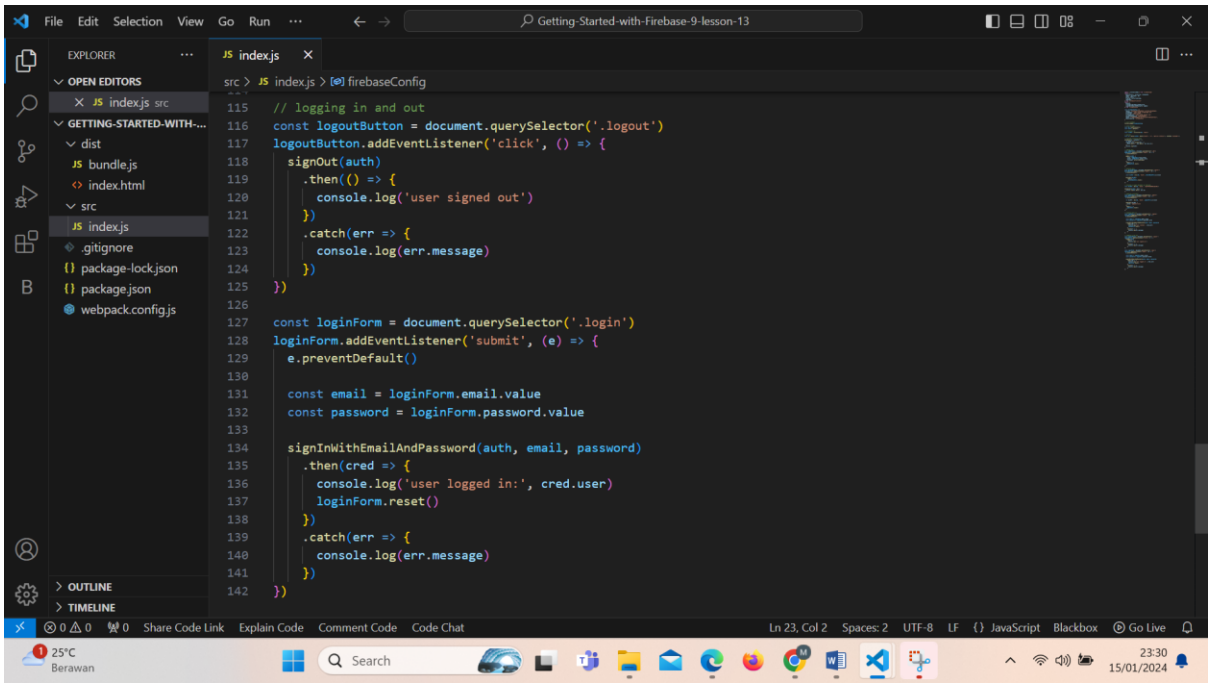
Pada index js tambahkan code berikut :




File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-13
EXPLORER
index.js
src > index.js > firebaseConfig
OPEN EDITORS
index.js src
GETTING-STARTED-WITH-...
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
// collection ref
const colRef = collection(db, 'books')
// queries
const q = query(colRef, where("author", "==", "patrick rothfuss"), orderBy('createdAt'))
// realtime collection data
onSnapshot(q, (snapshot) => {
let books = []
snapshot.docs.forEach(doc => {
books.push({ ...doc.data(), id: doc.id })
})
console.log(books)
})
// adding docs
const addBookForm = document.querySelector('.add')
addBookForm.addEventListener('submit', (e) => {
e.preventDefault()
addDoc(colRef, {
title: addBookForm.title.value,
author: addBookForm.author.value,
createdAt: serverTimestamp()
})
.then(() => {
addBookForm.reset()
})
})
Share Code Link Explain Code Comment Code Code Chat
Ln 23, Col 2 Spaces: 2 UTF-8 LF {} JavaScript Blackbox Go Live
25°C
Berawan
Search
23:30
15/01/2024


File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-13
EXPLORER
index.js
src > index.js > firebaseConfig
OPEN EDITORS
index.js src
GETTING-STARTED-WITH-...
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
// deleting docs
const deleteBookForm = document.querySelector('.delete')
deleteBookForm.addEventListener('submit', (e) => {
e.preventDefault()
const docRef = doc(db, 'books', deleteBookForm.id.value)
deleteDoc(docRef)
.then(() => {
deleteBookForm.reset()
})
})
// fetching a single document (& realtime)
const docRef = doc(db, 'books', 'gGu4P9x0ZHK9SspA1d9j')
onSnapshot(docRef, (doc) => {
console.log(doc.data(), doc.id)
})
// updating a document
const updateForm = document.querySelector('.update')
updateForm.addEventListener('submit', (e) => {
e.preventDefault()
let docRef = doc(db, 'books', updateForm.id.value)
Share Code Link Explain Code Comment Code Code Chat
Ln 23, Col 2 Spaces: 2 UTF-8 LF {} JavaScript Blackbox Go Live
25°C
Berawan
Search
23:30
15/01/2024


File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-13
EXPLORER
index.js
OPEN EDITORS
index.js src
GETTING-STARTED-WITH-...
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
src > index.js > firebaseConfig
91 })
92 .then(() => {
93 updateForm.reset()
94 })
95 })
96
97 // signing users up
98 const signupForm = document.querySelector('.signup')
99 signupForm.addEventListener('submit', (e) => {
100 e.preventDefault()
101
102 const email = signupForm.email.value
103 const password = signupForm.password.value
104
105 createUserWithEmailAndPassword(auth, email, password)
106 .then(cred => {
107 console.log('user created:', cred.user)
108 signupForm.reset()
109 })
110 .catch(err => {
111 console.log(err.message)
112 })
113 })
114
115 // logging in and out
116 const logoutButton = document.querySelector('.logout')
117 logoutButton.addEventListener('click', () => {
118 signOut(auth)
119 .then(() => {
Share Code Link Explain Code Comment Code Code Chat
Ln 23, Col 2 Spaces: 2 UTF-8 LF {} JavaScript Blackbox Go Live
25°C Berawan
Search
23:30 15/01/2024


File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-13
EXPLORER
index.js
OPEN EDITORS
index.js src
GETTING-STARTED-WITH-...
dist
bundle.js
index.html
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
src > index.js > firebaseConfig
115 // logging in and out
116 const logoutButton = document.querySelector('.logout')
117 logoutButton.addEventListener('click', () => {
118 signOut(auth)
119 .then(() => {
120 console.log('user signed out')
121 })
122 .catch(err => {
123 console.log(err.message)
124 })
125 })
126
127 const loginForm = document.querySelector('.login')
128 loginForm.addEventListener('submit', (e) => {
129 e.preventDefault()
130
131 const email = loginForm.email.value
132 const password = loginForm.password.value
133
134 signInWithEmailAndPassword(auth, email, password)
135 .then(cred => {
136 console.log('user logged in:', cred.user)
137 loginForm.reset()
138 })
139 .catch(err => {
140 console.log(err.message)
141 })
142 })
Share Code Link Explain Code Comment Code Code Chat
Ln 23, Col 2 Spaces: 2 UTF-8 LF {} JavaScript Blackbox Go Live
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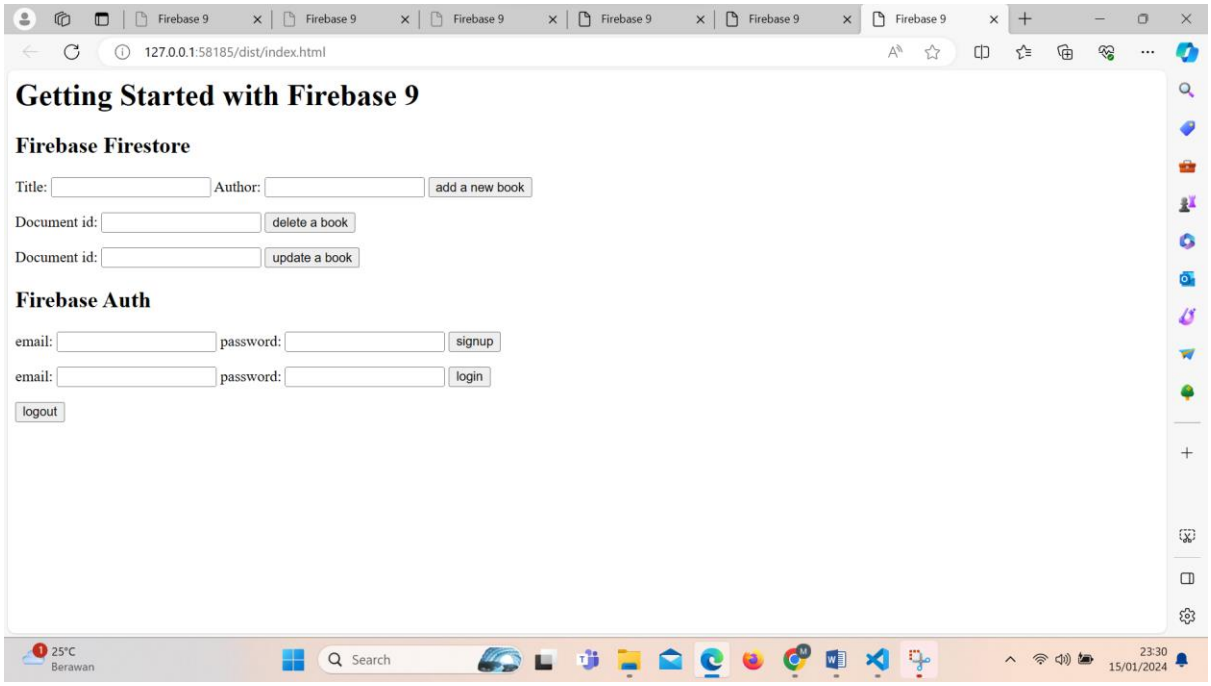
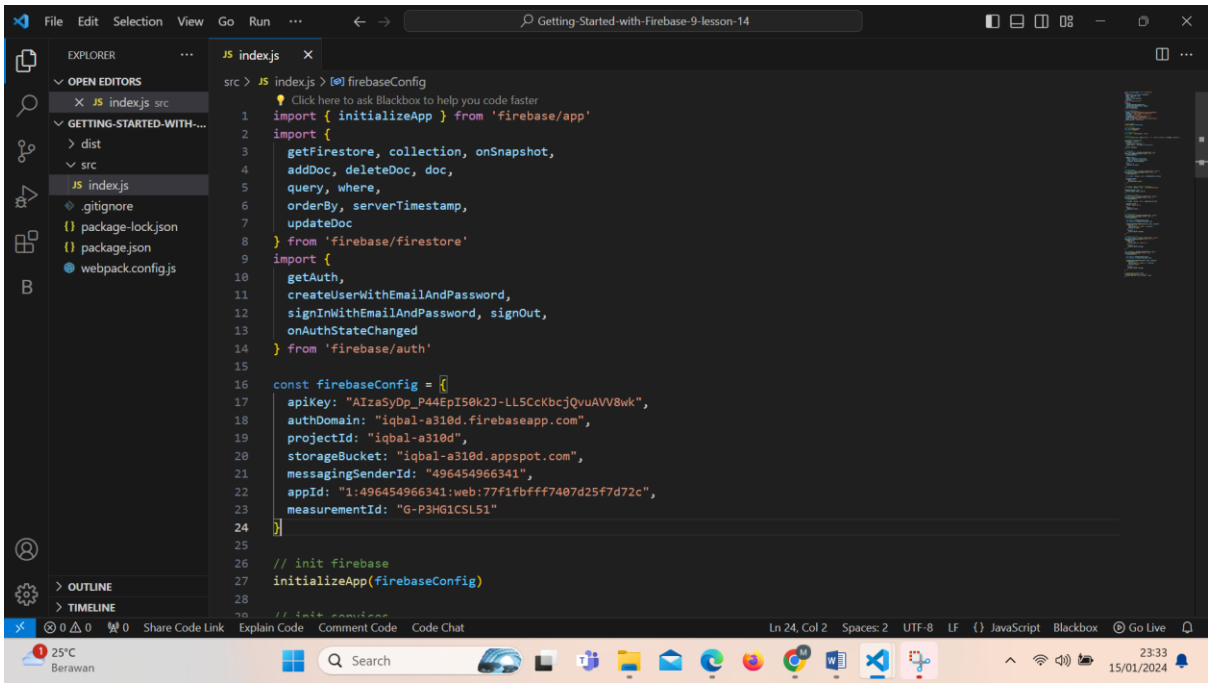
Search
23:30 15/01/2024

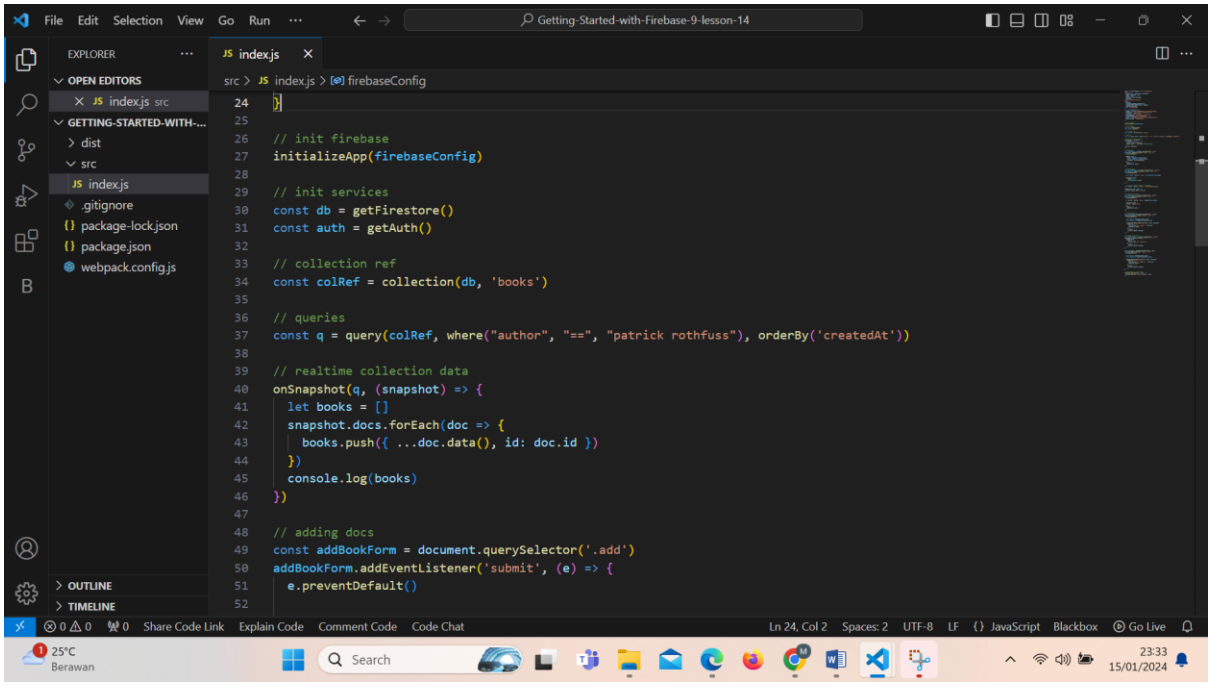
Hasil Output :

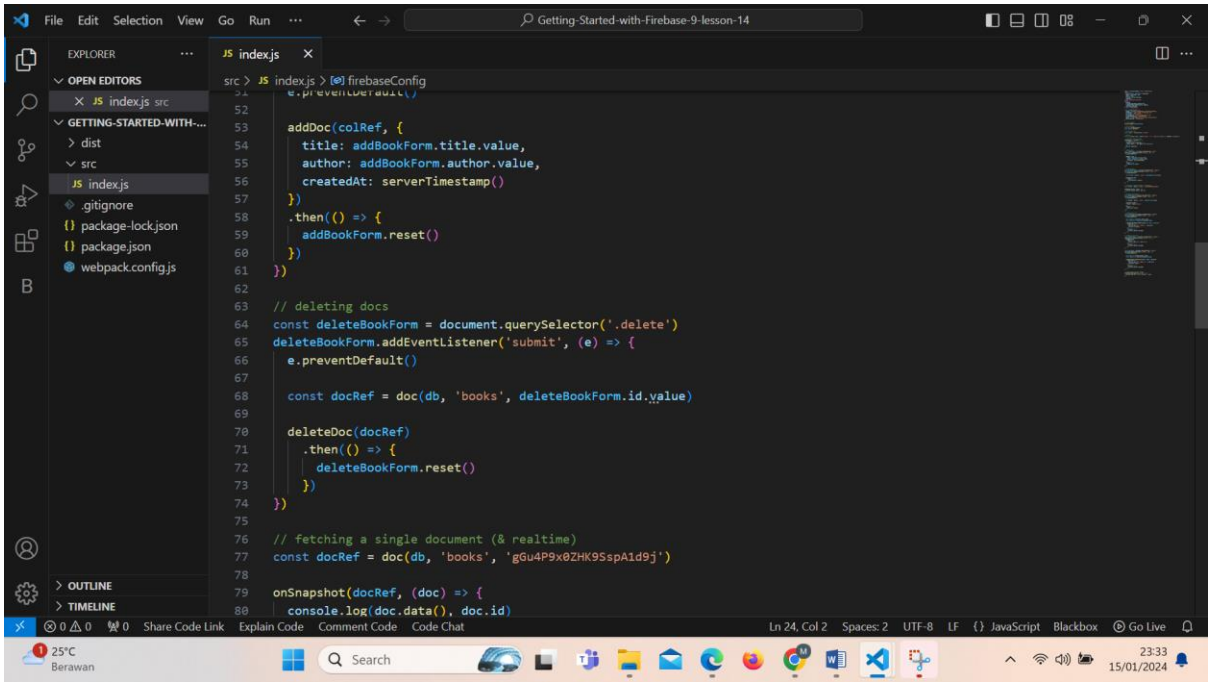


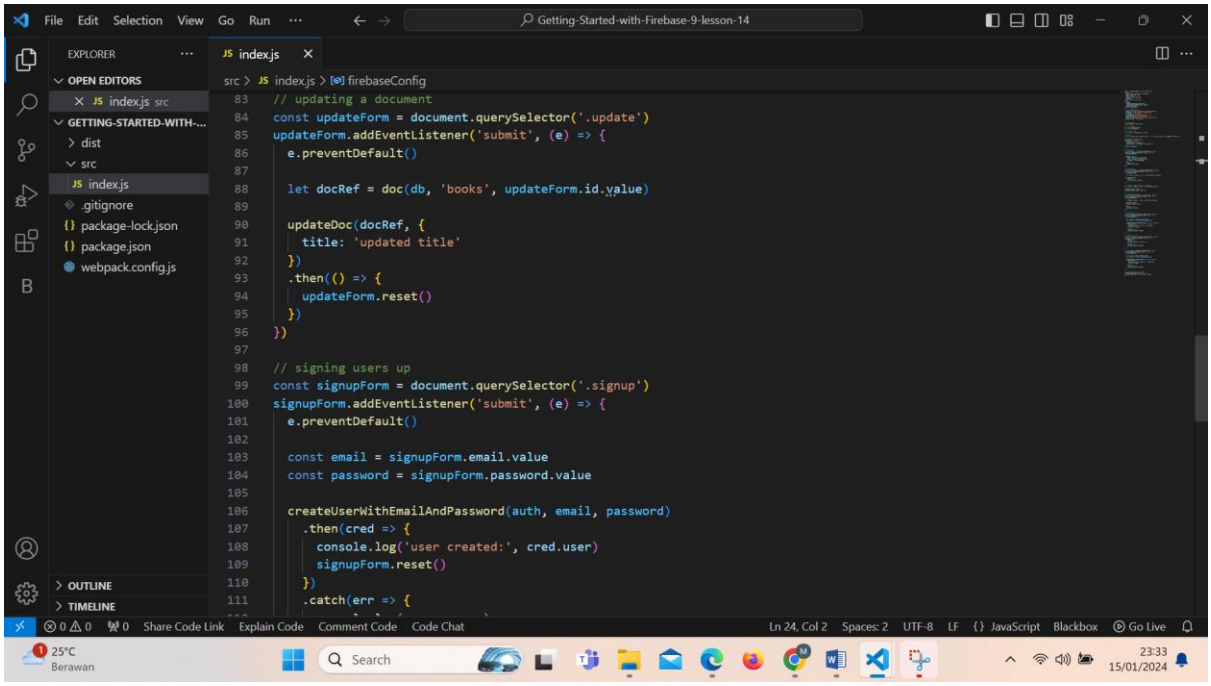
14. Subcribing to Auth Changes.

Source Code :




File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-14
EXPLORER
index.js
OPEN EDITORS
index.js src
GETTING-STARTED-WITH-...
dist
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
src > index.js > firebaseConfig
24 }
25
26 // init firebase
27 initializeApp(firebaseConfig)
28
29 // init services
30 const db = getFirestore()
31 const auth = getAuth()
32
33 // collection ref
34 const colRef = collection(db, 'books')
35
36 // queries
37 const q = query(colRef, where("author", "==", "patrick rothfuss"), orderBy('createdAt'))
38
39 // realtime collection data
40 onSnapshot(q, (snapshot) => {
41 let books = []
42 snapshot.docs.forEach(doc => {
43 books.push({ ...doc.data(), id: doc.id })
44 })
45 console.log(books)
46 })
47
48 // adding docs
49 const addBookForm = document.querySelector('.add')
50 addBookForm.addEventListener('submit', (e) => {
51 e.preventDefault()
52
Share Code Link Explain Code Comment Code Code Chat
Ln 24, Col 2 Spaces: 2 UTF-8 LF {} JavaScript Blackbox Go Live
25°C Berawan
Search
23:33 15/01/2024


File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-14
EXPLORER
index.js
OPEN EDITORS
index.js src
GETTING-STARTED-WITH-...
dist
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
src > index.js > firebaseConfig
52
53 addDoc(colRef, {
54 title: addBookForm.title.value,
55 author: addBookForm.author.value,
56 createdAt: serverTimestamp()
57 })
58 .then(() => {
59 addBookForm.reset()
60 })
61 })
62
63 // deleting docs
64 const deleteBookForm = document.querySelector('.delete')
65 deleteBookForm.addEventListener('submit', (e) => {
66 e.preventDefault()
67
68 const docRef = doc(db, 'books', deleteBookForm.id.value)
69
70 deleteDoc(docRef)
71 .then(() => {
72 deleteBookForm.reset()
73 })
74 })
75
76 // fetching a single document (& realtime)
77 const docRef = doc(db, 'books', 'gGu4P9x0ZHK9SspA1d9j')
78
79 onSnapshot(docRef, (doc) => {
80 console.log(doc.data(), doc.id)
Share Code Link Explain Code Comment Code Code Chat
Ln 24, Col 2 Spaces: 2 UTF-8 LF {} JavaScript Blackbox Go Live
25°C Berawan
Search
23:33 15/01/2024


File Edit Selection View Go Run ...
Getting-Started-with-Firebase-9-lesson-14
EXPLORER
index.js
OPEN EDITORS
index.js src
GETTING-STARTED-WITH-...
dist
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
src > index.js > firebaseConfig
// updating a document
const updateForm = document.querySelector('.update')
updateForm.addEventListener('submit', (e) => {
e.preventDefault()
let docRef = doc(db, 'books', updateForm.id.value)
updateDoc(docRef, {
title: 'updated title'
})
.then(() => {
updateForm.reset()
})
})
// signing users up
const signupForm = document.querySelector('.signup')
signupForm.addEventListener('submit', (e) => {
e.preventDefault()
const email = signupForm.email.value
const password = signupForm.password.value
createUserWithEmailAndPassword(auth, email, password)
.then(cred => {
console.log('user created:', cred.user)
signupForm.reset()
})
.catch(err => {
Share Code Link
Explain Code
Comment Code
Code Chat
Ln 24, Col 2
Spaces: 2
UTF-8
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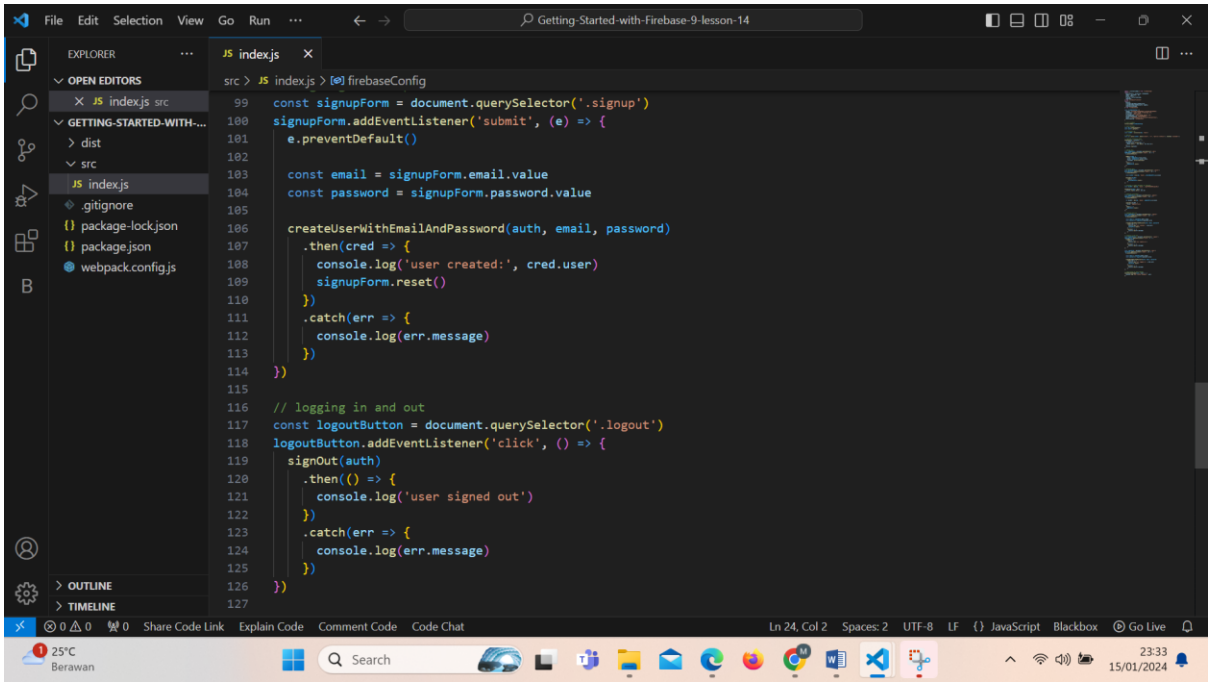
{} JavaScript
Blackbox
Go Live
25°C
Berawan
Search
23:33
15/01/2024


File Edit Selection View Go Run ...
Getting-Started-with-Firebase-9-lesson-14
EXPLORER
index.js
OPEN EDITORS
index.js src
GETTING-STARTED-WITH-...
dist
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
src > index.js > firebaseConfig
const signupForm = document.querySelector('.signup')
signupForm.addEventListener('submit', (e) => {
e.preventDefault()
const email = signupForm.email.value
const password = signupForm.password.value
createUserWithEmailAndPassword(auth, email, password)
.then(cred => {
console.log('user created:', cred.user)
signupForm.reset()
})
.catch(err => {
console.log(err.message)
})
})
// logging in and out
const logoutButton = document.querySelector('.logout')
logoutButton.addEventListener('click', () => {
signOut(auth)
.then(() => {
console.log('user signed out')
})
.catch(err => {
console.log(err.message)
})
})
Share Code Link
Explain Code
Comment Code
Code Chat
Ln 24, Col 2
Spaces: 2
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{} JavaScript
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Go Live
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Search
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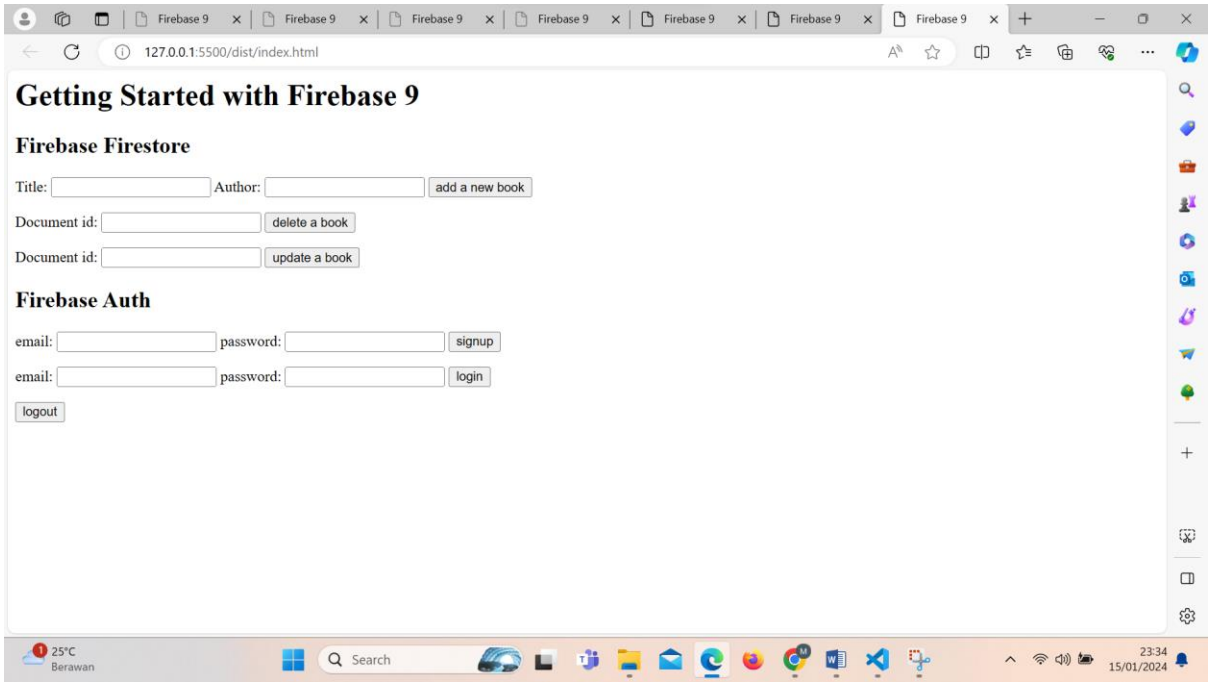
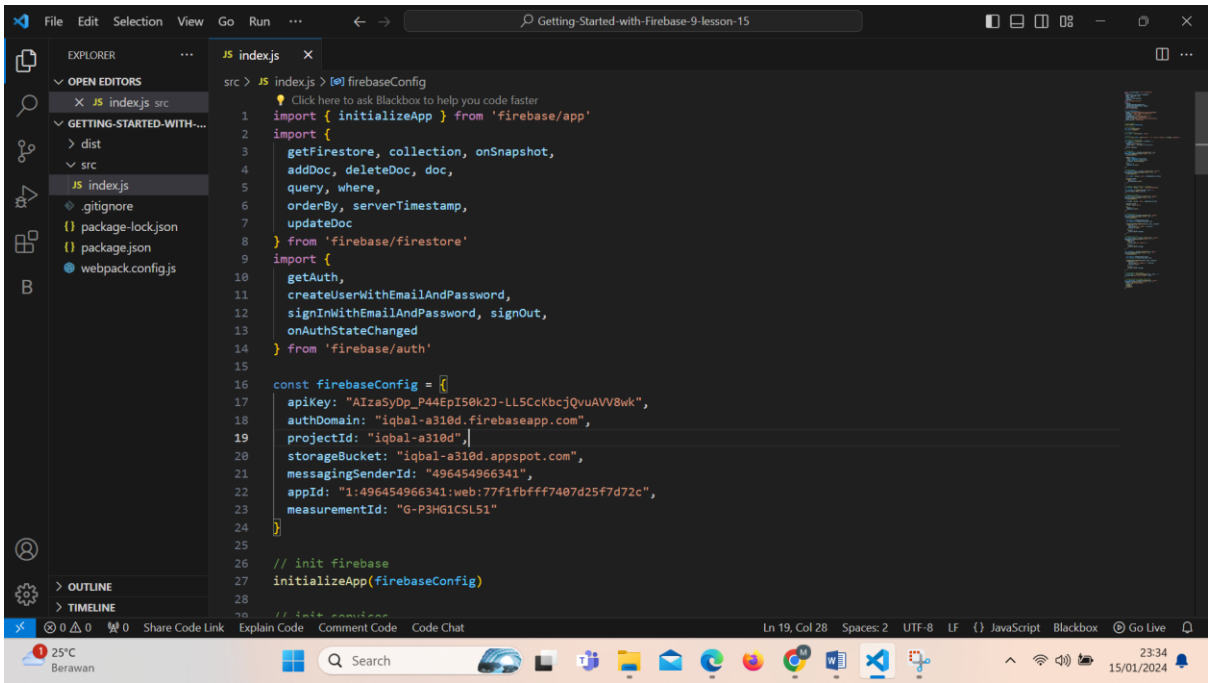
15/01/2024

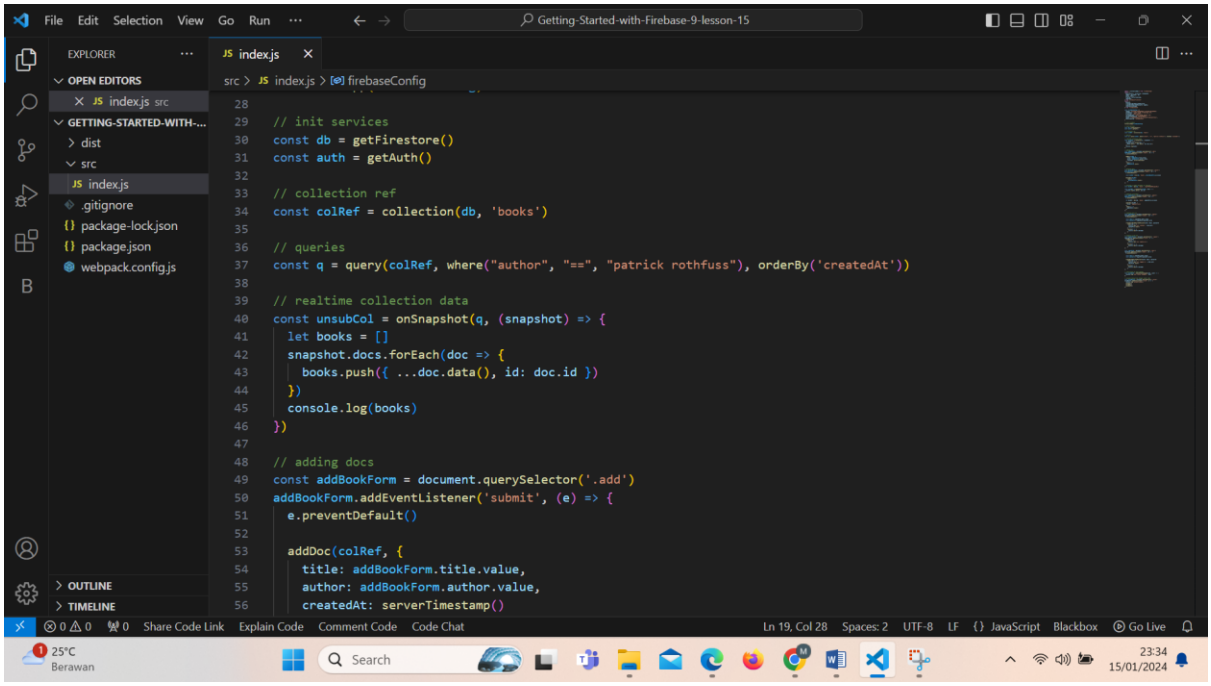
Hasil Output :

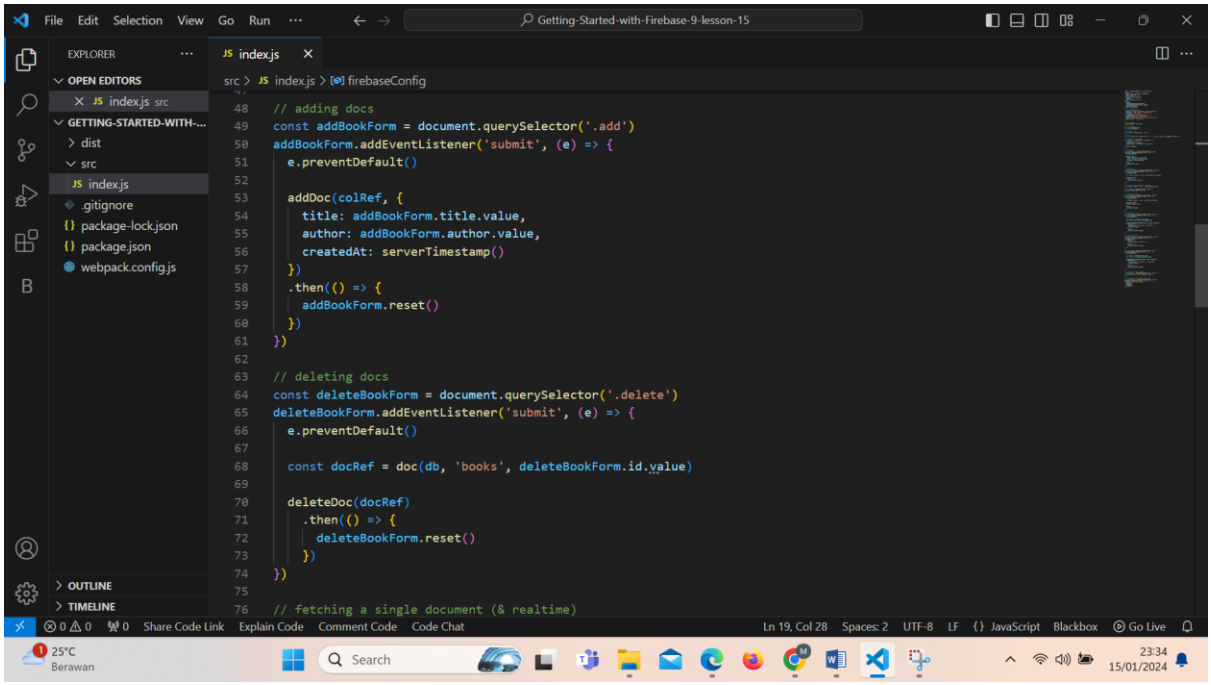


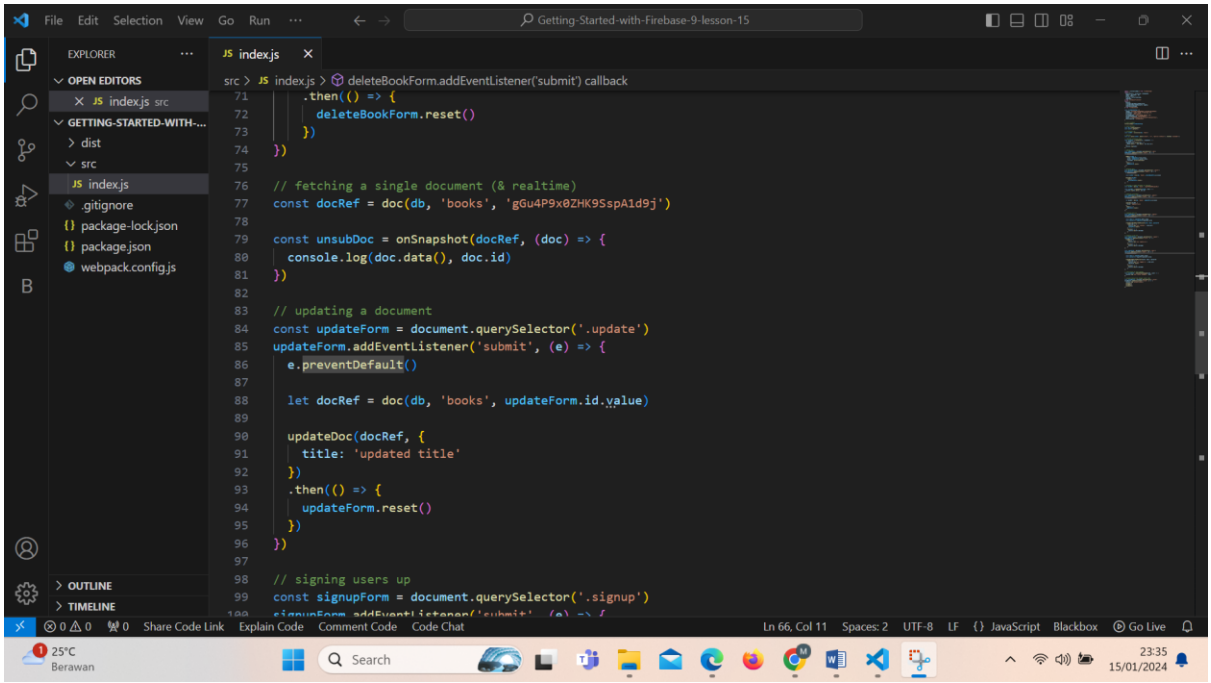
15. Unsubcribes To Changes.

Source Code :




File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-15
EXPLORER
index.js
src > index.js > firebaseConfig
OPEN EDITORS
index.js src
GETTING-STARTED-WITH-...
dist
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
28
29 // init services
30 const db = getFirestore()
31 const auth = getAuth()
32
33 // collection ref
34 const colRef = collection(db, 'books')
35
36 // queries
37 const q = query(colRef, where("author", "==", "patrick rothfuss"), orderBy('createdAt'))
38
39 // realtime collection data
40 const unsubCol = onSnapshot(q, (snapshot) => {
41 let books = []
42 snapshot.docs.forEach(doc => {
43 books.push({ ...doc.data(), id: doc.id })
44 })
45 console.log(books)
46 })
47
48 // adding docs
49 const addBookForm = document.querySelector('.add')
50 addBookForm.addEventListener('submit', (e) => {
51 e.preventDefault()
52
53 addDoc(colRef, {
54 title: addBookForm.title.value,
55 author: addBookForm.author.value,
56 createdAt: serverTimestamp()
Share Code Link Explain Code Comment Code Code Chat
Ln 19, Col 28 Spaces: 2 UTF-8 LF {} JavaScript Blackbox Go Live
25°C Berawan
Search
23:34 15/01/2024


File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-15
EXPLORER
index.js
src > index.js > firebaseConfig
OPEN EDITORS
index.js src
GETTING-STARTED-WITH-...
dist
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
48 // adding docs
49 const addBookForm = document.querySelector('.add')
50 addBookForm.addEventListener('submit', (e) => {
51 e.preventDefault()
52
53 addDoc(colRef, {
54 title: addBookForm.title.value,
55 author: addBookForm.author.value,
56 createdAt: serverTimestamp()
57 })
58 .then(() => {
59 addBookForm.reset()
60 })
61 })
62
63 // deleting docs
64 const deleteBookForm = document.querySelector('.delete')
65 deleteBookForm.addEventListener('submit', (e) => {
66 e.preventDefault()
67
68 const docRef = doc(db, 'books', deleteBookForm.id.value)
69
70 deleteDoc(docRef)
71 .then(() => {
72 deleteBookForm.reset()
73 })
74 })
75
76 // fetching a single document (& realtime)
Share Code Link Explain Code Comment Code Code Chat
Ln 19, Col 28 Spaces: 2 UTF-8 LF {} JavaScript Blackbox Go Live
25°C Berawan
Search
23:34 15/01/2024


File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-15
EXPLORER
index.js
OPEN EDITORS
index.js src
GETTING-STARTED-WITH-...
dist
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
src > index.js > deleteBookForm.addEventListener('submit') callback
.then(() => {
deleteBookForm.reset()
})
})
// fetching a single document (& realtime)
const docRef = doc(db, 'books', 'gGu4P9x0ZHK9SspA1d9j')
const unsubDoc = onSnapshot(docRef, (doc) => {
console.log(doc.data(), doc.id)
})
// updating a document
const updateForm = document.querySelector('.update')
updateForm.addEventListener('submit', (e) => {
e.preventDefault()
let docRef = doc(db, 'books', updateForm.id.value)
updateDoc(docRef, {
title: 'updated title'
})
.then(() => {
updateForm.reset()
})
})
// signing users up
const signupForm = document.querySelector('.signup')
Share Code Link Explain Code Comment Code Code Chat
Ln 66, Col 11 Spaces: 2 UTF-8 LF {} JavaScript Blackbox Go Live
25°C
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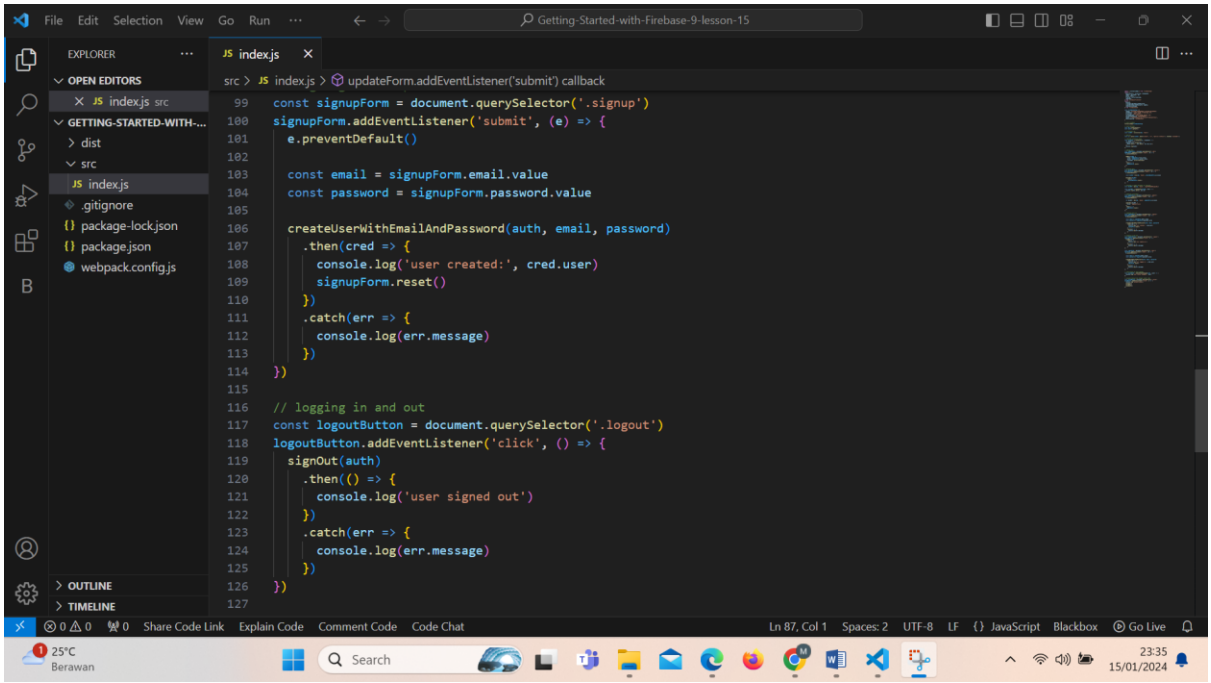
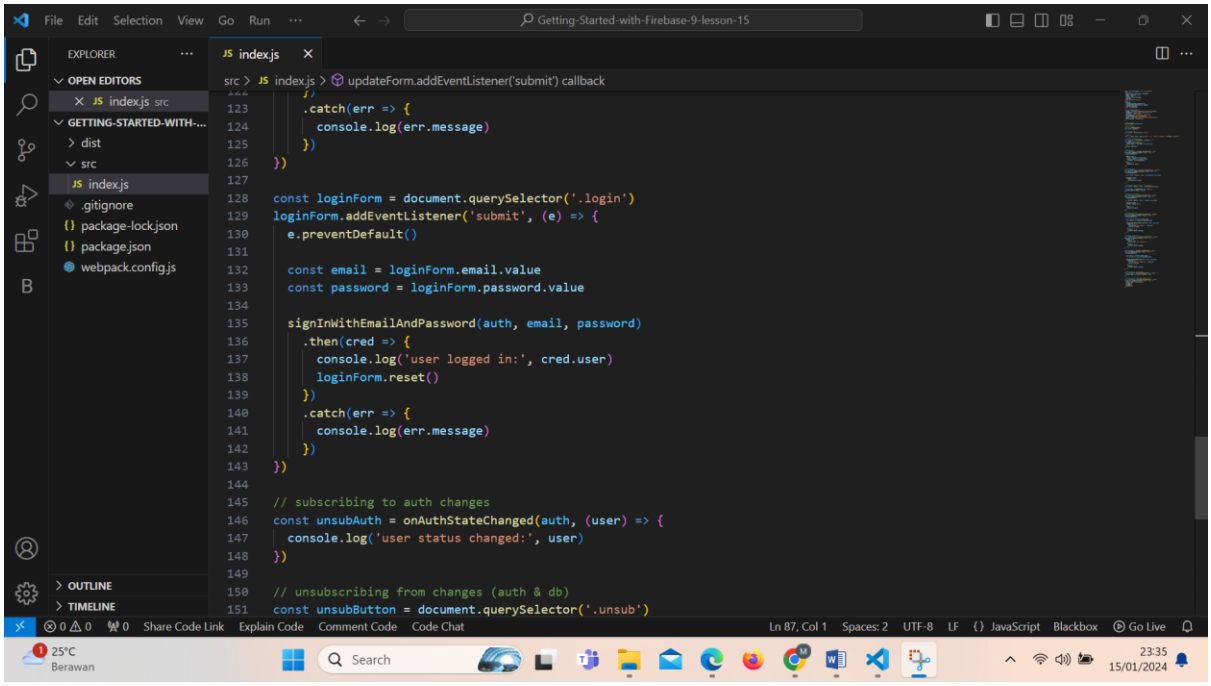
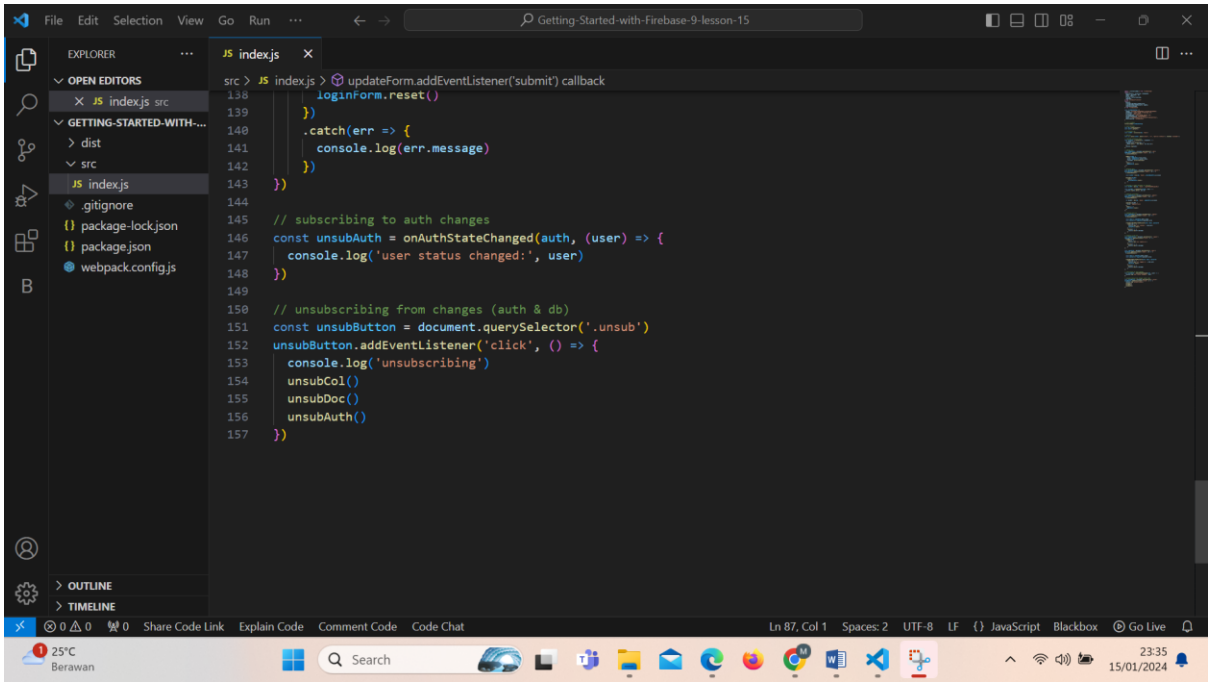
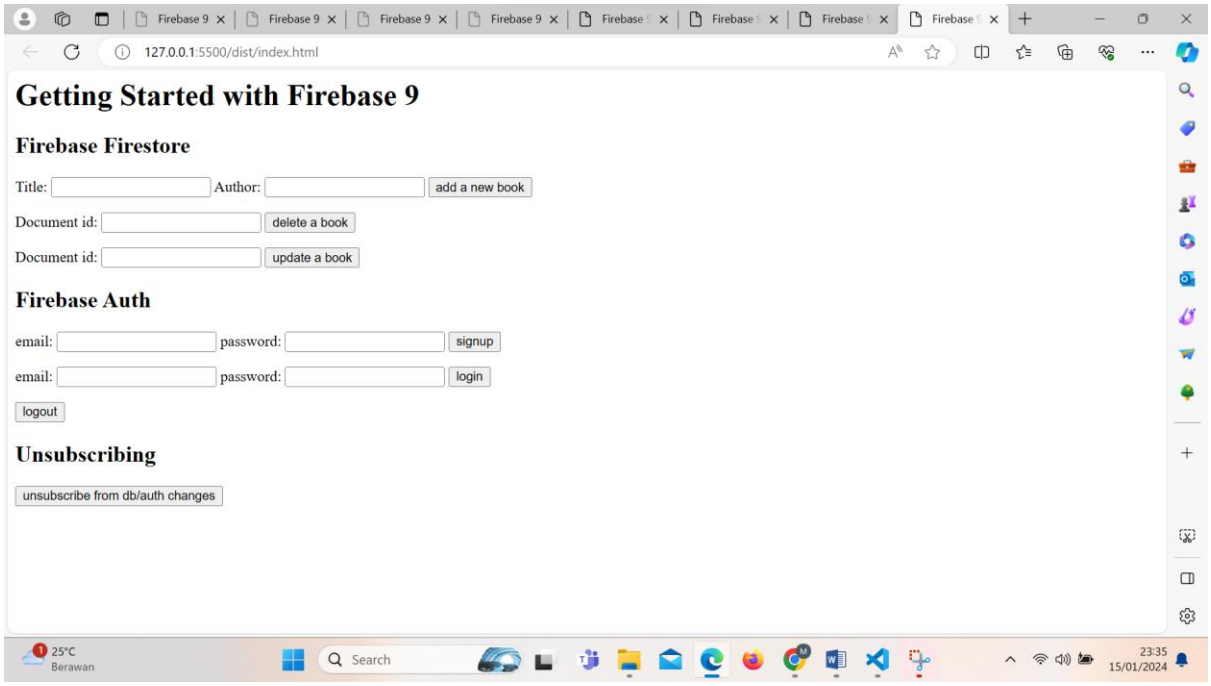
Search
23:35
15/01/2024


File Edit Selection View Go Run
Getting-Started-with-Firebase-9-lesson-15
EXPLORER
index.js
OPEN EDITORS
index.js src
GETTING-STARTED-WITH-...
dist
src
index.js
.gitignore
package-lock.json
package.json
webpack.config.js
OUTLINE
TIMELINE
src > index.js > updateForm.addEventListener('submit') callback
const signupForm = document.querySelector('.signup')
signupForm.addEventListener('submit', (e) => {
e.preventDefault()
const email = signupForm.email.value
const password = signupForm.password.value
createUserWithEmailAndPassword(auth, email, password)
.then(cred => {
console.log('user created:', cred.user)
signupForm.reset()
})
.catch(err => {
console.log(err.message)
})
})
// logging in and out
const logoutButton = document.querySelector('.logout')
logoutButton.addEventListener('click', () => {
signOut(auth)
.then(() => {
console.log('user signed out')
})
.catch(err => {
console.log(err.message)
})
})
Share Code Link Explain Code Comment Code Code Chat
Ln 87, Col 1 Spaces: 2 UTF-8 LF {} JavaScript Blackbox Go Live
25°C
Berawan
Search
23:35
15/01/2024





Hasil Output :


Firebase 9
127.0.0.1:5500/dist/index.html
Getting Started with Firebase 9
Firebase Firestore
Title: Author: add a new book
Document id: delete a book
Document id: update a book
Firebase Auth
email: password: signup
email: password: login
logout
Unsubscribing
unsubscribe from db/auth changes
25°C
Berawan
Search
23:35
15/01/2024

Kesimpulan

Dalam proyek Firebase yang telah diinisialisasi, fokus utama adalah penggunaan layanan Firestore sebagai basis data NoSQL. Firestore memungkinkan penyimpanan dan pengambilan data yang fleksibel dalam bentuk dokumen, dengan operasi dasar melibatkan pembuatan dan pengambilan data dari koleksi.

Inisialisasi Firebase melibatkan konfigurasi proyek yang diperoleh dari Firebase Console, memungkinkan aplikasi terhubung dengan proyek Firebase tertentu. Penting untuk mengimpor modul Firebase yang diperlukan, seperti firebase/app dan firebase/firestore, untuk mengakses fungsi Firebase dan Firestore di dalam kode JavaScript dengan bantuan Node Package Manager (npm).

Dalam aplikasi, konfigurasi Firebase harus benar dan sesuai dengan proyek Firebase yang digunakan untuk menghindari kesalahan akses atau komunikasi ke server Firebase. Fleksibilitas Firestore dalam manajemen data, terutama ketika data memiliki struktur yang bervariasi, memberikan keuntungan tambahan.

Dengan menggunakan Firebase, pengembang dapat membangun aplikasi responsif dengan cepat, dengan fitur-fitur dasar seperti otentikasi pengguna, penyimpanan data, dan analisis performa, sementara Firestore memberikan solusi basis data yang kuat dengan dukungan untuk fitur real-time, mempermudah pengembangan aplikasi yang efisien dan dapat diandalkan.

Saran

Untuk memaksimalkan efektivitas proyek Firebase, disarankan untuk memastikan konfigurasi Firebase secara akurat mencerminkan proyek yang digunakan dan memperhatikan kebenaran nilai-nilai kunci API dan parameter proyek. Selain itu, dalam manajemen data dengan Firestore, dianjurkan untuk memanfaatkan fleksibilitas struktur data dokumen guna menyesuaikan dengan kebutuhan aplikasi dan memastikan efisiensi dalam operasi basis data.

Penting juga untuk memonitor penggunaan data dan lalu lintas aplikasi menggunakan layanan analisis yang disediakan oleh Firebase untuk mendapatkan wawasan yang berharga terkait performa dan perilaku pengguna. Penerapan praktik keamanan, termasuk otentikasi pengguna yang kuat dan pengaturan izin akses yang tepat, akan meningkatkan keamanan aplikasi secara keseluruhan.

Selanjutnya, menjaga SDK Firebase selalu terbaru dan melakukan pengujian secara berkala dapat membantu memastikan keberlanjutan dan kehandalan aplikasi. Dengan mengikuti saran ini, pengembang dapat mengoptimalkan penggunaan Firebase dan meningkatkan kualitas serta keamanan proyek aplikasi mereka.