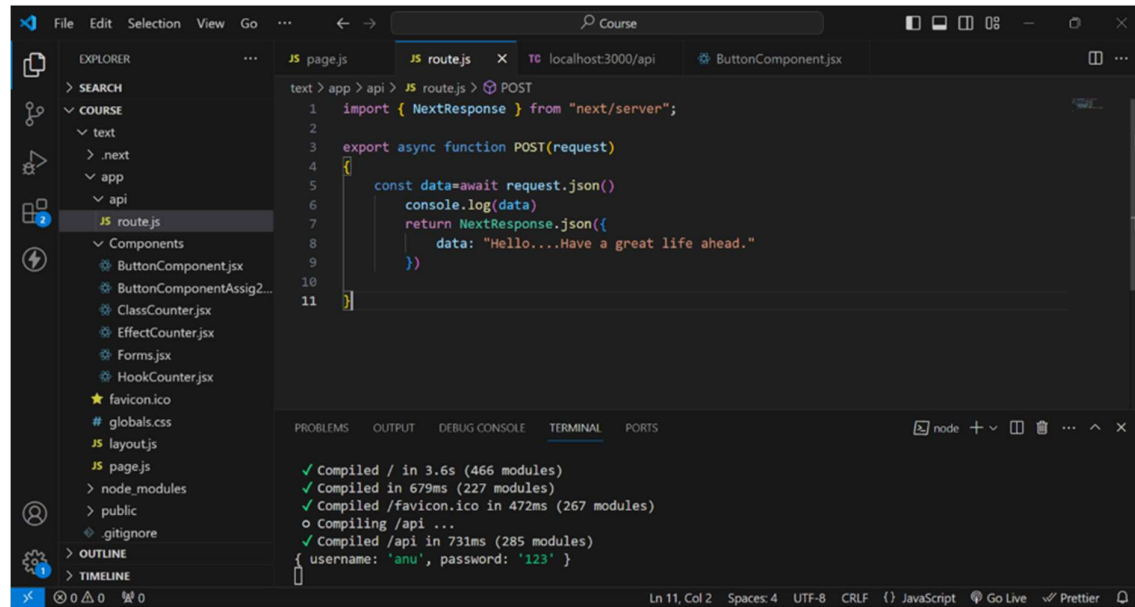


Assessment – 3

Creation of the REST API :

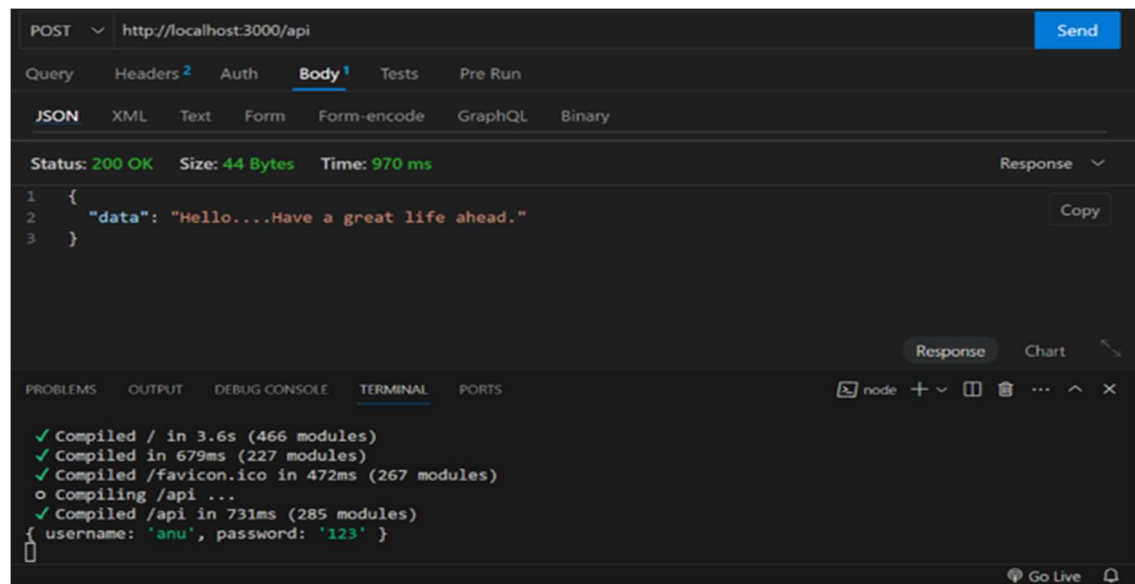


The screenshot shows the Visual Studio Code editor with the following components:

- EXPLORER:** The file tree on the left shows the project structure. The file `route.js` is selected under the `api` directory.
- EDITOR:** The main editor area displays the content of `route.js`. The code is as follows:

```
1 import { NextResponse } from "next/server";
2
3 export async function POST(request)
4 {
5   const data=await request.json()
6   console.log(data)
7   return NextResponse.json({
8     data: "Hello....Have a great life ahead."
9   })
10 }
11
```
- TERMINAL:** The terminal at the bottom shows the output of the build process:

```
✓ Compiled / in 3.6s (466 modules)
✓ Compiled in 679ms (227 modules)
✓ Compiled /favicon.ico in 472ms (267 modules)
○ Compiling /api ...
✓ Compiled /api in 731ms (285 modules)
{ username: 'anu', password: '123' }
```



The screenshot shows the REST Client interface in VS Code with the following details:

- URL:** `http://localhost:3000/api`
- Method:** `POST`
- Body:** The request body is in JSON format:

```
{
  "data": "Hello....Have a great life ahead."
}
```
- Status:** `200 OK`
- Size:** `44 Bytes`
- Time:** `970 ms`
- Response:** The response body is in JSON format:

```
{
  "data": "Hello....Have a great life ahead."
}
```
- Terminal:** The terminal at the bottom shows the same build output as the first screenshot, confirming the API is running.

DataBase Creation,Index Creation, Usage of Indexes :

MongoDB Compass - localhost:27017/test.Students

localhost:27017

My Queries test Students

test.Students

7 DOCUMENTS 2 INDEXES

Documents Aggregations Schema Indexes Validation

Filter Type a query: { field: 'value' } or Generate Explain Reset Find Options

ADD DATA EXPORT DATA 1 - 7 of 7

#	Students	_id ObjectId	RNo Int32	Name String	Age Int32
1		ObjectId('65ebebfc359cf2...')	1	"ABC"	20
2		ObjectId('65ebeb56d359cf2...')	2	"DEF"	19
3		ObjectId('65ebeb6d359cf2...')	3	"AHF"	20
4		ObjectId('65ebeb18d359cf2...')	4	"DER"	22
5		ObjectId('65ebeb48d359cf2...')	5	"UDE"	20
6		ObjectId('65ebeb67d359cf2...')	6	"SPR"	18

>_MONGOSH

MongoDB Compass - localhost:27017/test.Students

localhost:27017

My Queries test Students

test.Students

7 DOCUMENTS 2 INDEXES

Documents Aggregations Schema Indexes Validation

Create Index Refresh VIEWING INDEXES SEARCH INDEXES

Name and Definition	Type	Size	Usage	Properties
> RNo_1	REGULAR	36.9 KB	0 (since Sat Mar 09 2024)	UNIQUE
> _id_	REGULAR	36.9 KB	29 (since Sat Mar 09 2024)	UNIQUE

>_MONGOSH

