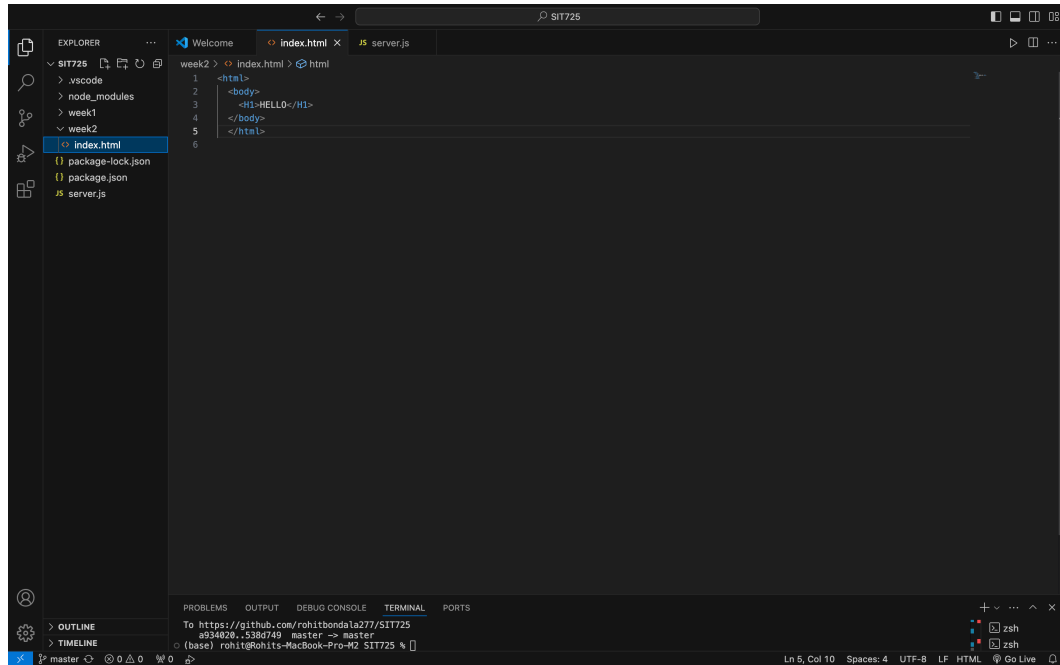


SIT725 – APPLIED SOFTWARE ENGINEERING

TASK – 2.2P

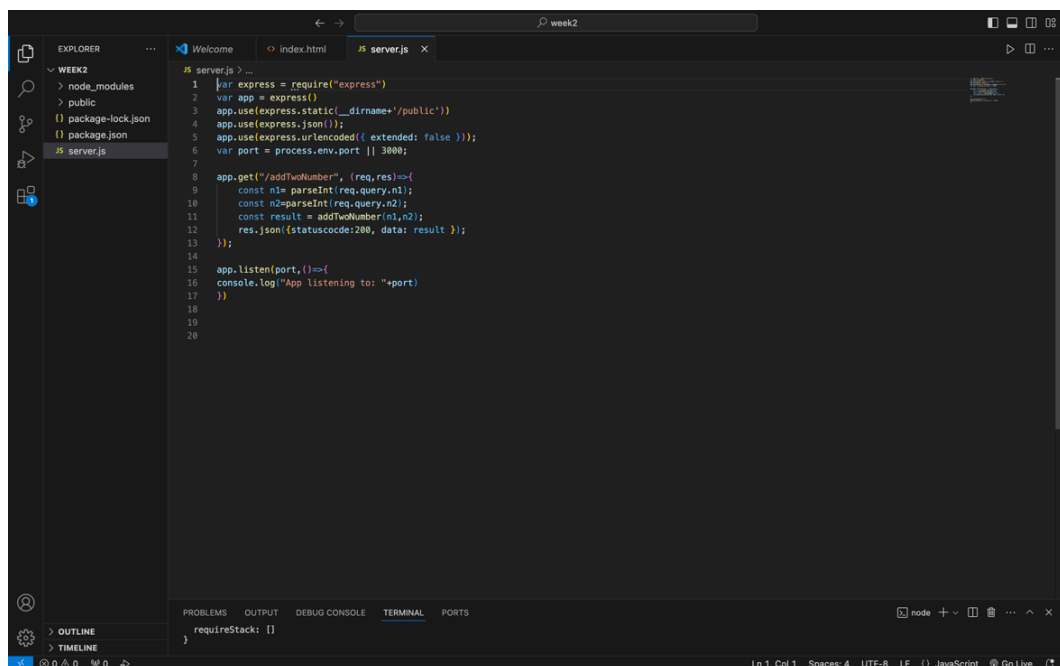
Repository Link: <https://github.com/rohitbondala277/SIT725.git>

VS Code:



The screenshot shows the Visual Studio Code interface with the Explorer sidebar on the left. The 'week2' directory is expanded, showing files: 'index.html', 'package-lock.json', and 'server.js'. The 'index.html' file is selected and its content is displayed in the main editor area. The content is a simple HTML structure with a body containing 'HI-HELLO</HI>'. The bottom status bar indicates 'Ln 5, Col 10'.

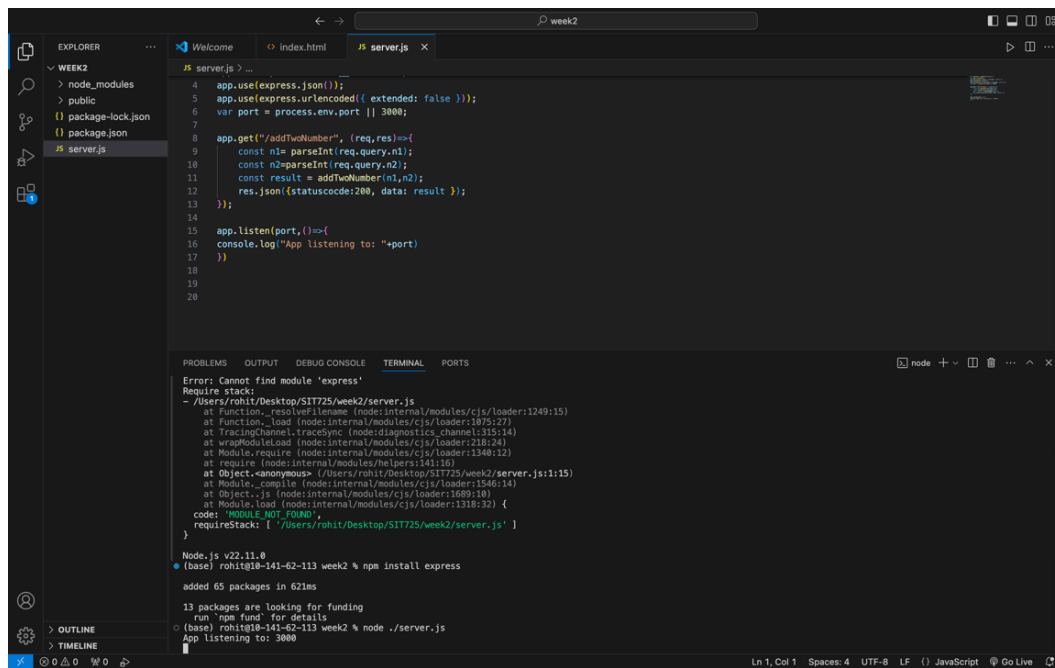
```
1 <html>
2   <body>
3     <HI-HELLO</HI>
4   </body>
5 </html>
6
```



The screenshot shows the Visual Studio Code interface with the Explorer sidebar on the left. The 'week2' directory is expanded, showing files: 'index.html', 'package-lock.json', and 'server.js'. The 'server.js' file is selected and its content is displayed in the main editor area. The content is a JavaScript file using Express.js to create a web server that listens on port 3000 and has a route for adding two numbers. The bottom status bar indicates 'Ln 1, Col 1'.

```
1 var express = require("express")
2 var app = express()
3 app.use(express.static(__dirname+'/public'))
4 app.use(express.json());
5 app.use(express.urlencoded({ extended: false }));
6 var port = process.env.port || 3000;
7
8 app.get("/addTwoNumber", (req,res)=>{
9   const n1=parseInt(req.query.n1);
10  const n2=parseInt(req.query.n2);
11  const result = addTwoNumber(n1,n2);
12  res.json({statusCode:200, data: result });
13 });
14
15 app.listen(port,()=>{
16   console.log("App listening to: "+port)
17 })
18
19
20
```

VS Code Commands:



The screenshot shows the VS Code editor interface. The Explorer sidebar on the left shows a project named 'WEEK2' with files 'node_modules', 'public', 'package-lock.json', 'package.json', and 'server.js'. The main editor area displays the content of 'server.js', which is a simple Express.js server. The terminal window at the bottom shows an error message: 'Error: Cannot find module 'express''. Below the error, the 'Require Stack' is listed, showing the path from the Node.js loader to the user's server.js file. The terminal also shows the command 'npm install express' being executed, which successfully installed the package. The status bar at the bottom indicates the file is 'server.js' at line 1, column 1, using UTF-8 encoding and LF line endings.

```
1 4 app.use(express.json());
2 5 app.use(express.urlencoded({ extended: false }));
3 6 var port = process.env.port || 3000;
4
5 8 app.get("/addTwoNumber", (req,res)=>{
6     const n1= parseInt(req.query.n1);
7     const n2=parseInt(req.query.n2);
8     const result = addTwoNumber(n1,n2);
9     res.json({statusCode:200, data: result });
10 });
11
12 14
13 15 app.listen(port,()=>{
14     console.log("App listening to: "+port)
15 })
16
17 18
18 19
19 20
```

```
Problems OUTPUT DEBUG CONSOLE TERMINAL PORTS
Error: Cannot find module 'express'
Require Stack:
- /Users/rohit/Desktop/SIT725/week2/server.js
  at Function._resolveFilename (node:internal/modules/cjs/loader:1249:15)
  at Function._load (node:internal/modules/cjs/loader:1075:27)
  at TracingChannel.traceSync (node:diagnostics_channel:135:14)
  at wrapModuleLoad (node:internal/modules/cjs/loader:218:24)
  at Module.require (node:internal/modules/cjs/loader:1340:12)
  at require (node:internal/modules/helpers:141:16)
  at Object.<anonymous> (/Users/rohit/Desktop/SIT725/week2/server.js:1:15)
  at Module._compile (node:internal/modules/cjs/loader:1346:14)
  at Object.<js> (node:internal/modules/cjs/loader:1689:10)
  at Module.load (node:internal/modules/cjs/loader:1318:32) {
  code: 'MODULE_NOT_FOUND',
  requireStack: [ '/Users/rohit/Desktop/SIT725/week2/server.js' ]
}

Node.js v22.11.0
(base) rohit@18-141-62-113 week2 % npm install express
added 65 packages in 621ms
13 packages are looking for funding
  run `npm fund` for details
(base) rohit@18-141-62-113 week2 % node ./server.js
App listening to: 3000
```

Sum of Two Numbers:

