

The screenshot shows the Visual Studio Code (VS Code) interface. The top bar includes File, Edit, Selection, View, Go, Run, Terminal, Help, and a search bar for "Node.js programs". The left sidebar has icons for Explorer, Search, Problems, and others. The Explorer view shows a tree with "NODEJS PROGRAMS" expanded, containing files: App.js, ArrowFunctionsVsNormalFunctions.js, FunctionDeclarationsVsExpressions.js, HigherOrderFunctions.js, HoistingInVariables.js, Math.js (selected), SandeepGF202322853.js, and Server.js. The main editor area displays the content of "Math.js":

```
JS Math.js > ...
1 function add(a, b) {
2     return a + b;
3 }
4
5 function subtract(a, b) {
6     return a - b;
7 }
8
9 module.exports = { add, subtract };
```

The bottom navigation bar includes PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (underlined), PORTS, and DOLPHINDB. The terminal window shows the command "PS C:\Users\rajes\OneDrive\Node.js programs>".

The screenshot shows a Node.js development environment within a code editor. The top navigation bar includes File, Edit, Selection, View, Go, Run, Terminal, Help, and a search bar labeled "Node.js programs".

The left sidebar features icons for Explorer, Node.js Programs, Search, Find, Debug, and Database.

The Explorer view shows a tree structure under "NODEJS PROGRAMS" with files: App.js, ArrowFunctionsVsNormalFunctions.js, FunctionDeclarationsVsExpressions.js, HigherOrderFunctions.js, HoistingInVariables.js, Math.js, SandeepGF202322853.js, and Server.js. App.js is currently selected.

The main workspace displays the contents of App.js:

```
App.js > ...
1 const math = require('./Math');
2
3 console.log("Addition:", math.add(5, 3));
4 console.log("Subtraction:", math.subtract(10, 4));
```

The bottom right corner shows a terminal window with the following output:

```
PS C:\Users\rajes\OneDrive\Node.js programs> node App.js
Addition: 8
Subtraction: 6
PS C:\Users\rajes\OneDrive\Node.js programs>
```

The bottom navigation bar includes tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (which is underlined), PORTS, and DOLPHINDB. There are also status indicators for OUTLINE, TIMELINE, and a file count of 0.

The screenshot shows a Node.js development environment within a code editor. The top navigation bar includes File, Edit, Selection, View, Go, Run, Terminal, Help, and a search bar labeled "Node.js programs".

The left sidebar contains icons for Explorer, Node.js Programs, Search, Symbols, Files, and Databases. The "NODEJS PROGRAMS" section lists several files:

- App.js
- ArrowFunctionsVsNormalFunctions.js
- Blocking.js** (highlighted)
- blocking.txt
- FunctionDeclarationsVsExpressions.js
- HigherOrderFunctions.js
- HoistingInVariables.js
- Math.js
- nonBlocking.js
- SandeepGF202322853.js
- Server.js

The main workspace shows the content of the selected file, `Blocking.js`:

```
const fs = require('fs');
const data = fs.readFileSync('Blocking.txt', 'utf-8');
console.log("Blocking read:", data);
```

The bottom right panel displays a terminal window with the following output:

```
PS C:\Users\rajes\OneDrive\Node.js programs> node Blocking.js
Blocking read: Test file for Node.js.
Example for Bloking and Non-Blocking.
PS C:\Users\rajes\OneDrive\Node.js programs> []
```

The bottom left sidebar includes icons for User, Outline, Timeline, and a status bar showing 0△0.

The screenshot shows the Visual Studio Code (VS Code) interface. The top bar includes File, Edit, Selection, View, Go, Run, Terminal, Help, and a search bar labeled "Node.js programs". The left sidebar has icons for Explorer, Search, Open, Recent, and a file list under "NODEJS PROGRAMS" containing files like App.js, ArrowFunctionsVsNormalFunctions.js, Blocking.js, blocking.txt, FunctionDeclarationsVsExpressions.js, HigherOrderFunctions.js, HoistingInVariables.js, Math.js, nonBlocking.js (which is selected), SandeepGF202322853.js, and Server.js. The main editor area displays the content of nonBlocking.js:

```
1  const fs = require('fs');
2
3  fs.readFile('Blocking.txt', 'utf-8', (err, data) => {
4      if (err) {
5          console.error(err);
6          return;
7      }
8      console.log("Non-blocking read:", data);
9  });
10
11 console.log("This line runs before file is read!");
```

The bottom right panel shows a terminal window with the following output:

```
PS C:\Users\rajes\OneDrive\Node.js programs> node Blocking.js
Blocking read: Test file for Node.js.
Example for Bloking and Non-Blocking.
PS C:\Users\rajes\OneDrive\Node.js programs> node nonBlocking.js
This line runs before file is read!
Non-blocking read: Test file for Node.js.
Example for Bloking and Non-Blocking.
PS C:\Users\rajes\OneDrive\Node.js programs>
```

The bottom left sidebar includes icons for Profile, Outline, Timeline, and Statistics, with "OUTLINE" currently selected.

The screenshot shows a code editor interface for Node.js development. The top navigation bar includes File, Edit, Selection, View, Go, Run, Terminal, Help, and a search bar labeled "Node.js programs".

The left sidebar features icons for Explorer, Search, Git, Preview, Taskbar, and Recent Files. The "EXPLORER" section lists several Node.js programs:

- App.js
- ArrowFunctionsVsNormalFunctions.js
- Asynchronous.js** (selected)
- Blocking.js
- blocking.txt
- FunctionDeclarationsVsExpressions.js
- HigherOrderFunctions.js
- HoistingInVariables.js
- Math.js
- nonBlocking.js
- SandeepGF202322853.js
- Server.js

The main workspace displays the content of the selected file, "Asynchronous.js":

```
function fetchUserData() {
  console.log("Fetching data...");
  setTimeout(() => {
    console.log("Data received");
  }, 2000);
}

fetchUserData();
```

The bottom navigation bar includes PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (underlined), PORTS, and DOLPHINDB.

The terminal window shows the output of running the script:

```
PS C:\Users\rajes\OneDrive\Node.js programs> node Asynchronous.js
Fetching data...
Data received
PS C:\Users\rajes\OneDrive\Node.js programs> []
```

The bottom status bar includes icons for weather (2 inch of rain Monday), search, file operations, and system notifications.