

Assignment 8

Roll No 71 T14 Batch

Aim : WAP to implement the concept of REPL in commandline

LO Mapped : LO 6

Code :

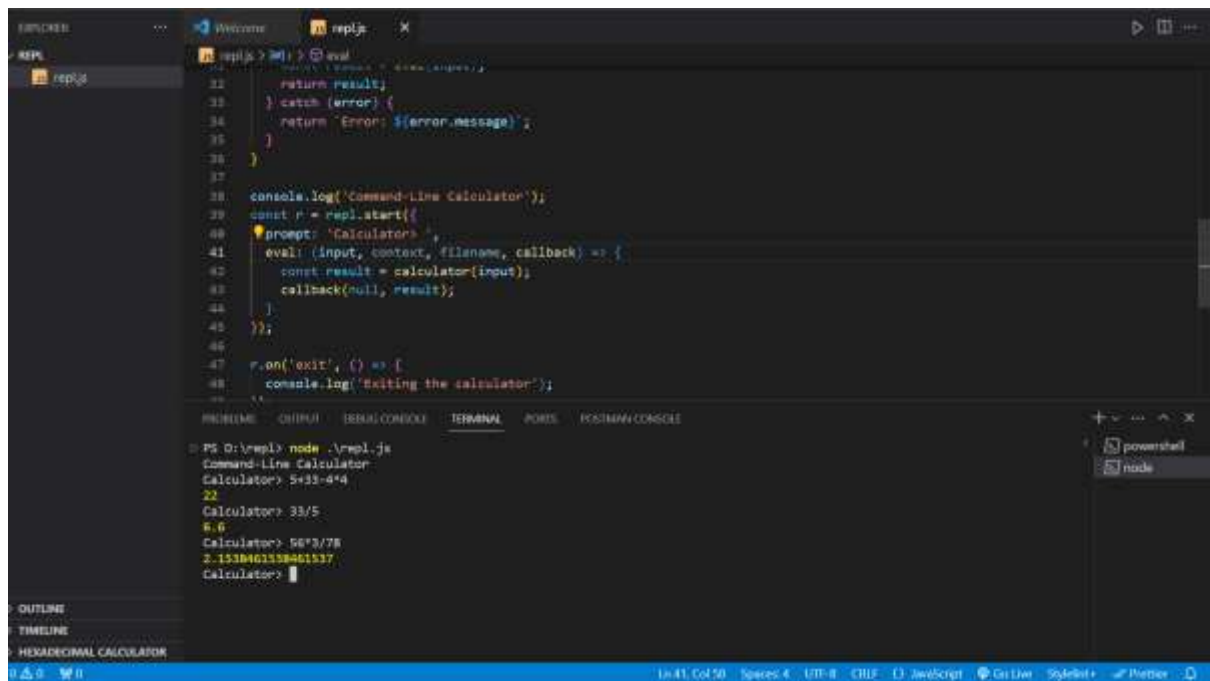
```
const repl = require('repl');

function calculator(input) {
  try {
    const result = eval(input);
    return result;
  } catch (error) {
    return `Error: ${error.message}`;
  }
}

console.log('Command-Line Calculator');
const r = repl.start({
  prompt: 'Calculator> ',
  eval: (input, context, filename, callback) => {
    const result = calculator(input);
    callback(null, result);
  }
});

r.on('exit', () => {
  console.log('Exiting the calculator');
});
```

Output:



The screenshot shows a Visual Studio Code editor with a file named `repl.js` open. The code in the editor is as follows:

```
1 // ... (previous code) ...
22 return result;
23 } catch (error) {
24   return `Error: ${error.message}`;
25 }
26 }
27
28 console.log('Command-Line Calculator');
29 const r = repl.start({
30   prompt: 'Calculator> ',
31   eval: (input, context, filename, callback) => {
32     const result = calculator(input);
33     callback(null, result);
34   }
35 });
36
37 r.on('exit', () => {
38   console.log('Exiting the calculator');
39 });
```

The bottom panel of the editor shows the **TERMINAL** tab, which displays the output of running the script:

```
PS D:\repl> node .\repl.js
Command-Line Calculator
Calculator> 5+3-6*4
22
Calculator> 33/5
6.6
Calculator> 6673/78
2.138461538461537
Calculator> 
```

The status bar at the bottom indicates the file is at line 41, column 50, with 4 spaces and 1 tab. It also shows the file encoding as UTF-8 and the language as JavaScript.