

## EXPERIMENT NO.:8

### Console based application

```
// calculator.js

const readline = require("readline");

const rl = readline.createInterface({
  input: process.stdin,
  output: process.stdout
});

rl.question("Enter first number: ", (num1) => {
  rl.question("Enter second number: ", (num2) => {
    rl.question("Enter operation (+, -, *, /): ", (op) => {
      const a = parseFloat(num1);
      const b = parseFloat(num2);
      let result;

      switch (op) {
        case "+": result = a + b; break;
        case "-": result = a - b; break;
        case "*": result = a * b; break;
        case "/": result = b !== 0 ? a / b : "Cannot divide by zero"; break;
        default: result = "Invalid operation";
      }

      console.log(`Result: ${result}`);
      rl.close();
    });
  });
});
```

### OUTPUT:

```
C:\Users\Admin\Desktop\Diksha\APL>cd "Experiment No. 8"

C:\Users\Admin\Desktop\Diksha\APL\Experiment No. 8>cd console-app

C:\Users\Admin\Desktop\Diksha\APL\Experiment No. 8\console-app>node calculator.js
Enter first number: 34
Enter second number: 66
Enter operation (+, -, *, /): *
Result: 2244
```

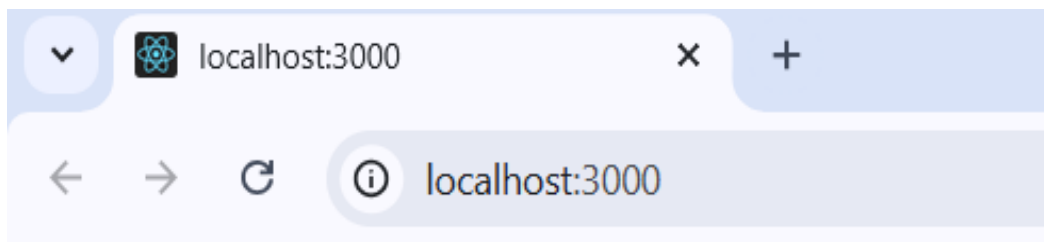
## Web based application

```
// server.js
import express from "express";
a
const app = express();
const PORT = 3000;

// When user visits the home page
app.get("/", (req, res) => {
  res.send("Hello World! This is my first web-based Node.js app 😊");
});

// Start the web server
app.listen(PORT, () => {
  console.log(`Server is running at http://localhost:${PORT}`);
});
```

### OUTPUT:



Hello World! This is my first web-based Node.js app 😊