

Simple Calculator LAB

Addition:

The screenshot shows a web browser window with the address bar at localhost:5000. The browser's bookmark bar includes folders for Entertainment, Programing, Higher Study, GRE&IELTS, KAFKA, kafka_more, and a star icon, followed by links to 97. Surah Qadar B..., Gmail, JOB, Maps, JAVA, and Other Bookmark. The main content area displays a 'Simple Calculator' form. It has three input fields: 'First Number' with the value 34, 'Second Number' with the value 23, and 'Operation' with a dropdown menu set to 'Add'. A 'Submit' button is located below the operation dropdown.

Output :

The screenshot shows the same web browser window, but the address bar now displays localhost:5000/operation. The bookmark bar is identical. The main content area shows the text 'The Answer is: 57'.

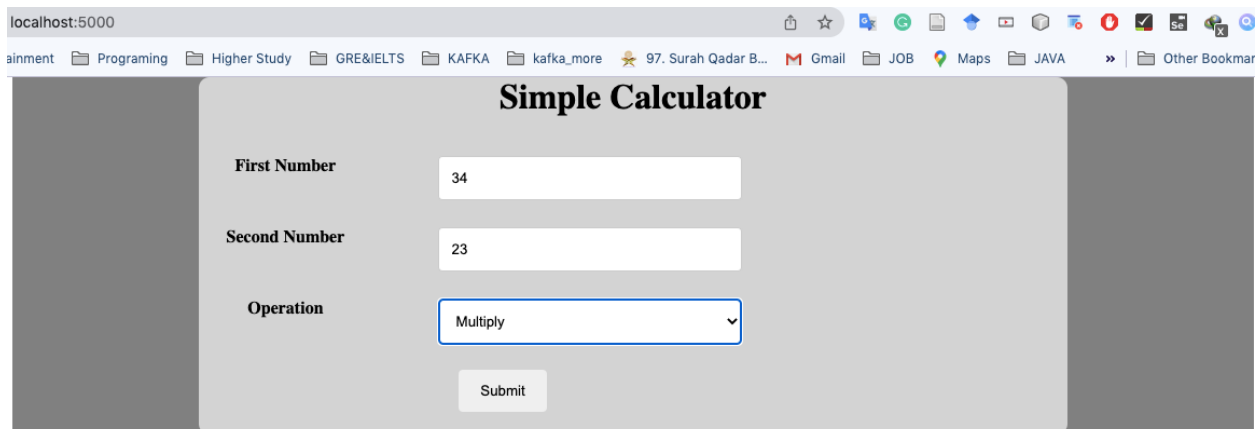
Subtract:

The screenshot shows a web browser window with the address bar at localhost:5000. The browser's bookmark bar includes folders for Entertainment, Programing, Higher Study, GRE&IELTS, KAFKA, kafka_more, and a star icon, followed by links to 97. Surah Qadar B..., Gmail, JOB, Maps, JAVA, and Other Bookma. The main content area displays a 'Simple Calculator' form. It has three input fields: 'First Number' with the value 34, 'Second Number' with the value 23, and 'Operation' with a dropdown menu set to 'Subtract'. A 'Submit' button is located below the operation dropdown.

Output :

The screenshot shows the same web browser window, but the address bar now displays localhost:5000/operation. The bookmark bar is identical. The main content area shows the text 'The Answer is: 11'.

Multiplication:



localhost:5000

Simple Calculator

First Number: 34

Second Number: 23

Operation: Multiply

Submit

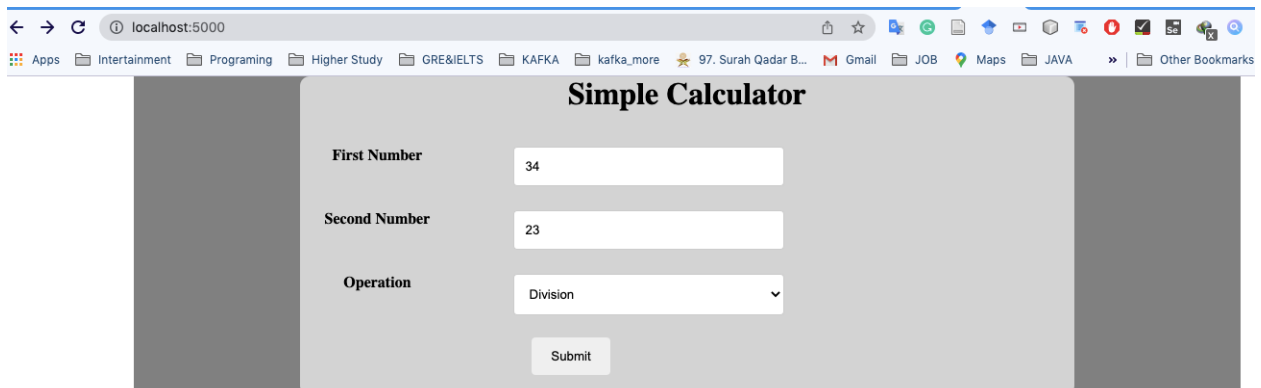
Output :



localhost:5000/operation

The Answer is: 782

Division



localhost:5000

Simple Calculator

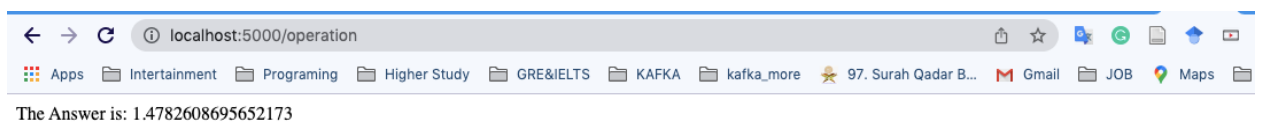
First Number: 34

Second Number: 23

Operation: Division

Submit

Output :



localhost:5000/operation

The Answer is: 1.4782608695652173

GitHub link:

https://github.com/faysalmazeddiu/faysalmazeddiu.github.io/tree/main/simple_calculator

App.js :

```
const express=require('express');
const bodyParser = require('body-parser');
const app=express();
var path=require("path");
app.use(express.static(path.join(__dirname,"public")))
const urlencoded=express.urlencoded({ extended: false })
app.get('/',(req,res)=>{
    res.status(200).sendFile(path.join(__dirname,"public","calculator.html"));
});

app.post('/operation',urlencoded,(req,res)=>{
    var result=0;
    if (req.body.operation==='add') {
        result=Number(req.body.first_number)+Number(req.body.second_number);
    }else if (req.body.operation==='subtract') {
        result=Number(req.body.first_number)-Number(req.body.second_number);
    }else if (req.body.operation==='division') {

        if (Number(req.body.first_number)>Number(req.body.second_number)) {
            result=Number(req.body.first_number)/Number(req.body.second_number);
        }else{
            result="First Number should be greater than second Number"
        }
    }else if (req.body.operation==='multiply') {
        result=Number(req.body.first_number)*Number(req.body.second_number);
    }

    res.send("The Answer is: "+result);
})

app.listen(5000,()=>{
    console.log("Server is started on port:"+5000);
});
```