

Simple Calculator

SimpleCalculator.js

```
const express = require('express');
const bodyParser = require('body-parser');
const path = require('path');

const app = express();
const port = 4000;
const urlencodedParser = express.urlencoded({ extended: false })
app.use(express.static('./public'));

app.get('/', (req, res) => {
  res.sendFile(path.resolve(__dirname, 'calculator.html'))
});
app.post('/calculate',urlencodedParser, (req, res) => {
  let result = 0;
  const number1=parseFloat(req.body.number1);
  const number2=parseFloat(req.body.number2);
  const operator=req.body.operator;

  if(operator==='/{
    result=number1/number2;
  }
  else if(operator==='*'){
    result=number1*number2;
  }
  else if(operator==='-'){
    result=number1-number2;
  }
  else if(operator==='+'){
    result=number1+number2;
  }
  res.send(`<!DOCTYPE html>
<html lang="en">

<head>
  <title>Simple Calculator Result</title>
  <meta charset="utf-8" />
  <link href="calc.css" type="text/css" rel="stylesheet" />
</head>

<body>
  <div class="container">
```

```

        <fieldset>
            <h1>Answer is :</h1>
            <h3>${result}</h3>
            <p><a href="/"> Back to calculator </a></p>
        </fieldset>
    </div>
</body>

</html>`);
});
app.listen(port, () => {
    console.log(`listening on port ${port}!`)
});

```

Calculator.html

```

<!DOCTYPE html>
<html lang="en">

<head>
    <title>Simple Calculator</title>
    <meta charset="utf-8" />
    <link href="/calc.css" type="text/css" rel="stylesheet" />
</head>

<body>
<div class="container">
    <header>
        <h1>Simple Calculator</h1>
    </header>
    <fieldset>
        <legend>Calculate:</legend>
        <form class="form" action="/calculate" method="POST">
            <div class="form-body">
                <label for="number1" class="form-label">Number1:</label>
                <input type="number" id="number1" name="number1" class="form-
input" maxlength="16" step="0.01">
            </div>
            <div class="form-body">
                <label for="number2" class="form-label">Number2:</label>
                <input type="number" id="number2" name="number2" class="form-
input" maxlength="16" step="0.01">
            </div>

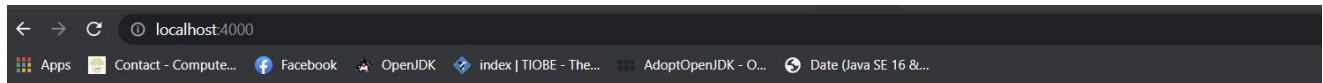
```

```
<div class="form-body">
  <span class="form-label">Operation:</span>
  <select id="operator" name="operator">
    <option value="/" selected>
      /
    </option>
    <option value="*">
      x
    </option>
    <option value="-">
      -
    </option>
    <option value="+">
      +
    </option>
  </select>
</div>

<div class="form-body">
  <span class="form-label"></span>
  <input type="submit" value="Calculate">
</div>
</form>
</fieldset>

</div>
</body>
</html>
```

Result



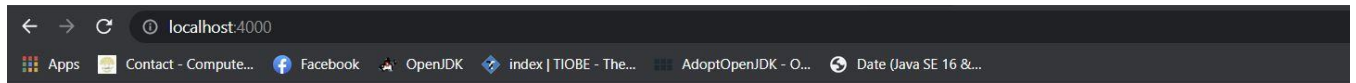
Simple Calculator

Calculate:

Number1:

Number2:

Operation:



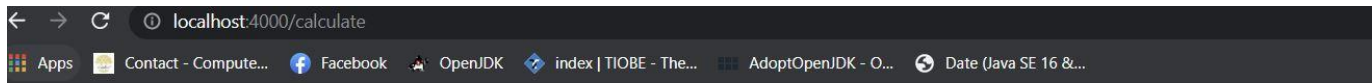
Simple Calculator

Calculate:

Number1:

Number2:

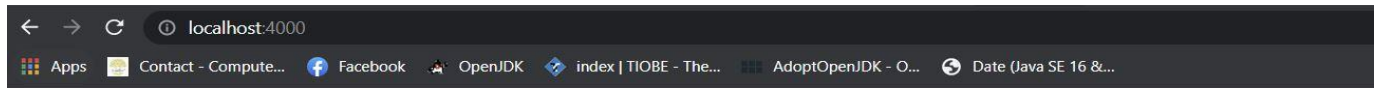
Operation:



Answer is :

46.8

[Back to calculator](#)



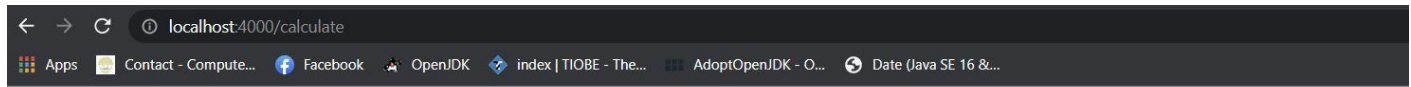
Simple Calculator

Calculate:

Number1:

Number2:

Operation:



Answer is :

115000

[Back to calculator](#)