

Subject code & Name	:	CSE304 & Full Stack Development	Practical	:	11	Academic Year	:	2024-25
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## Task – 12

### Aim

In Express JS Take 2 Numbers from User and perform arithmetic Operation.

### Code

**server.js**

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

const app = express();
const port = 3000;

app.use(bodyParser.urlencoded({ extended: true }));

app.get('/', (req, res) => {
  res.send(`
    <form action="/calculate" method="post">
      <label for="num1">Number 1:</label>
      <input type="text" id="num1" name="num1"><br><br>
      <label for="num2">Number 2:</label>
      <input type="text" id="num2" name="num2"><br><br>
      <button type="submit">Calculate</button>
    </form>
  `);
});

app.post('/calculate', (req, res) => {
  const num1 = parseFloat(req.body.num1);
  const num2 = parseFloat(req.body.num2);

  if (isNaN(num1) || isNaN(num2)) {
    return res.send('Please enter valid numbers.');
```

```
  }
```

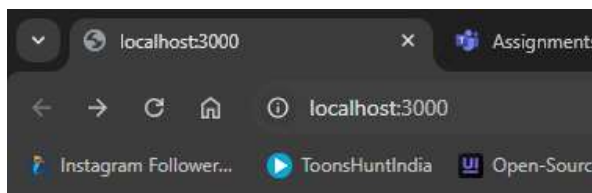
```
  const addition = num1 + num2;
  const subtraction = num1 - num2;
  const multiplication = num1 * num2;
  const division = num2 !== 0 ? num1 / num2 : 'Infinity';
```

```
  res.send(`
```

```
<p>Addition: ${addition}</p>
<p>Subtraction: ${subtraction}</p>
<p>Multiplication: ${multiplication}</p>
<p>Division: ${division}</p>
<a href="/">Back</a>
`);
});

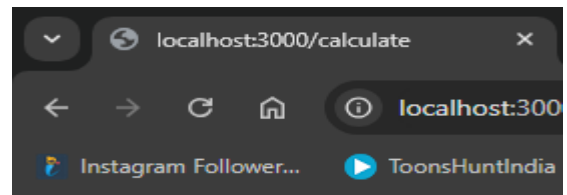
app.listen(port, () => {
  console.log(`Server is running on http://localhost:${port}`);
});
```

### Output



Number 1:

Number 2:



Addition: 100

Subtraction: 0

Multiplication: 2500

Division: 1

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**Signature :**