Currency converter

Index.js

```javascript
const express = require('express')
const mongoose = require('mongoose')

const app = express()
const PORT = 5000;
app.use(express.static('public'))
app.use(express.json())
app.use(express.urlencoded({extended: true}))

mongoose.connect("your database url",{useNewUrlParser: true,useUnifiedTopology:
true})

const CurrencyConvert = mongoose.model('currencyConvert',{
    from: String,
    to: String,
    rate: Number
})

const conversions = [
    {from: "USD", to:"EUR", rate: 0.94 },
    {from: "USD", to:"INR", rate: 83.31 },
    {from: "EUR", to:"USD", rate: 1.07 },
    {from: "EUR", to:"INR", rate: 89.08},
    {from: "INR", to:"USD", rate: 0.012},
    {from: "INR", to:"EUR", rate: 0.011},
]

const insertdata = async () => {
    try{
        CurrencyConvert.insertMany(conversions)
    }
    catch(error){
        console.log(error)
    }
}

const delPrevData = async () => {
    try{
        CurrencyConvert.deleteMany()
        insertdata()
    }
    catch(error){
        console.log(error)
    }
}
```

```
delPrevData()

app.post('/convert', async(req, res) => {
    const {from, to, amount} = req.body
    const convert = await CurrencyConvert.findOne({from:from, to:to})
    console.log(req.body)
    console.log(convert.rate)
    const rate = convert.rate
    const result = amount * rate
    res.status(200).json({result:result})
})

app.listen(PORT, () => {
    console.log(`server running in port ${PORT}`)
})
```

Public/index.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Currency Converter</title>
</head>
<body>
    <div>
        <select id="fromCurrency">
            <option value="USD">USD</option>
            <option value="EUR">EUR</option>
            <option value="INR">INR</option>
        </select>

        <select id="toCurrency">
            <option value="USD">USD</option>
            <option value="EUR">EUR</option>
            <option value="INR">INR</option>
        </select>

        <input id="amount" type="number"/>

        <button onclick="convert()">Submit</button>
    </div>
    <p id="result"></p>

    <script src="https://cdn.jsdelivr.net/npm/axios/dist/axios.min.js"></script>
    <script>
        function convert(){
```

```
        from = document.getElementById("fromCurrency").value
        to = document.getElementById('toCurrency').value
        amount = document.getElementById("amount").value

        axios.post('/convert',{
            from:from,
            to:to,
            amount:amount
        }).then(response => {
            console.log(response)
            document.getElementById("result").innerHTML = response.data.result
        })
    }
    </script>
</body>
</html>
```

OUTPUT:

← → ⟳ ⓘ localhost:5000

USD ⌄ INR ⌄ 23 Submit

1916.13