For Freshers: NodeJS Developer Profile

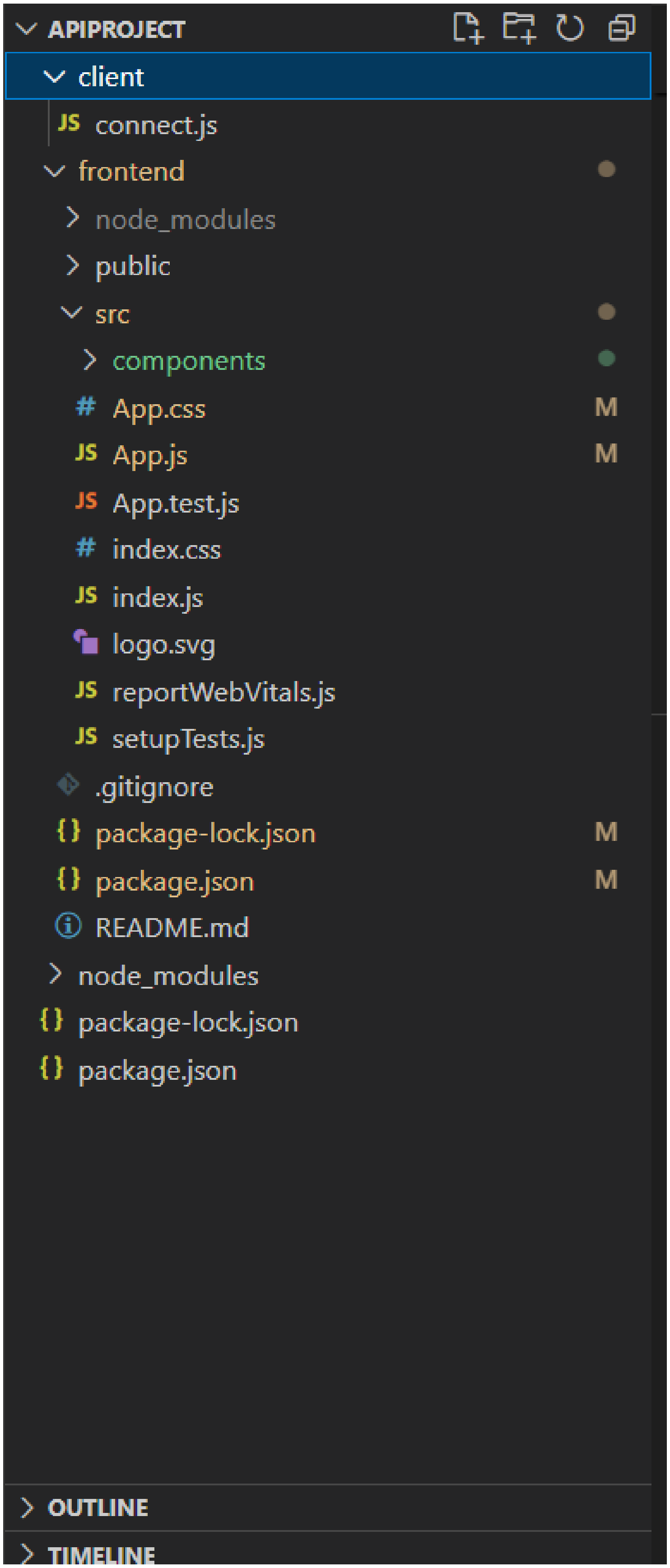
This is the workflow that I have built and implement for this given problem

Required :

1.Database(Mysql i have used)

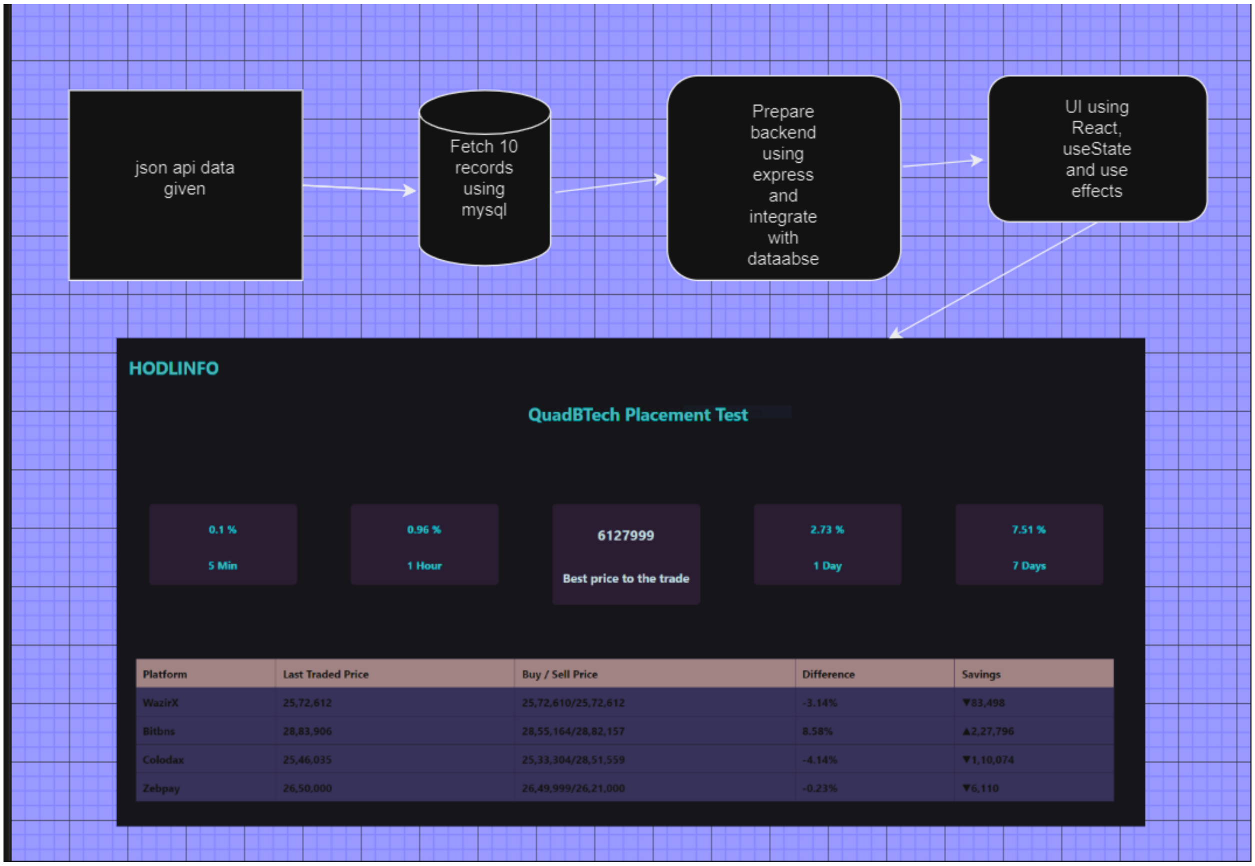
2 Install Nodejs so that we can load express and can all the api work easily.

3.In the frontend I have used react, and this is my folder structure



```
APIPROJECT
  client
    connect.js
  frontend
    node_modules
    public
    src
      components
      App.css                M
      App.js                 M
      App.test.js
      index.css
      index.js
      logo.svg
      reportWebVitals.js
      setupTests.js
    .gitignore
    package-lock.json        M
    package.json             M
    README.md
  node_modules
  package-lock.json
  package.json
OUTLINE
TIMELINE
```

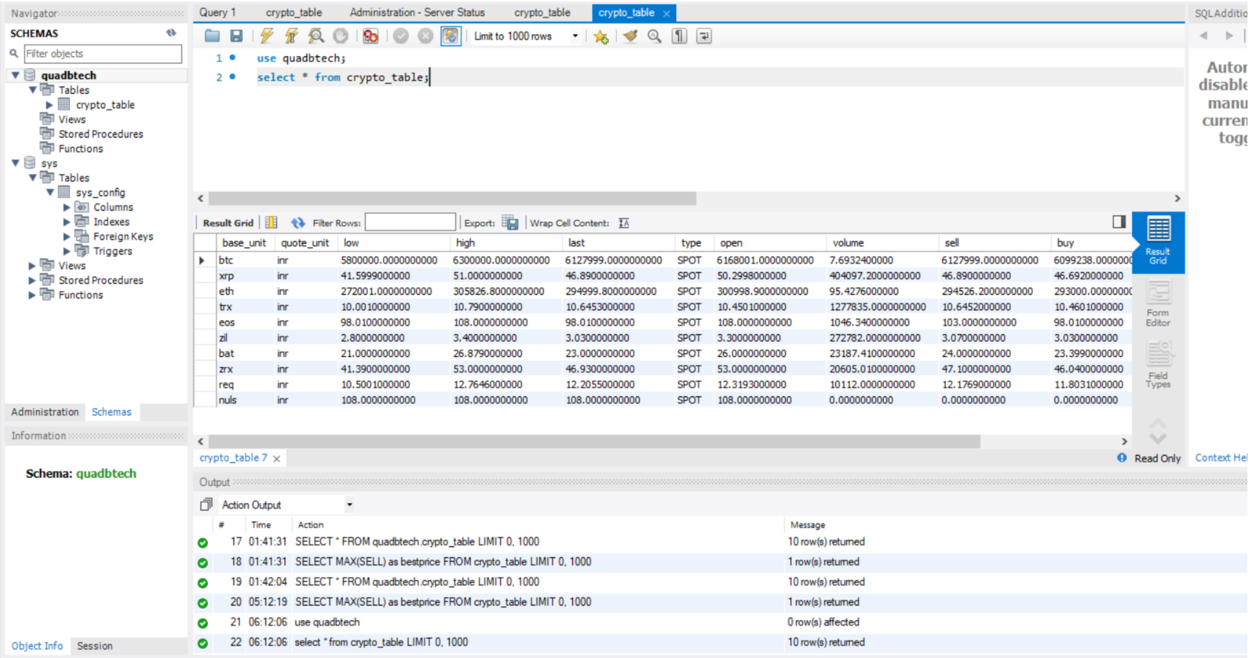
This is the workflow that I have shown you for the better insights



Platform	Last Traded Price	Buy / Sell Price	Difference	Savings
WazirX	25,72,612	25,72,610/25,72,612	-3.14%	▼83,498
Bitbns	28,83,906	28,55,164/28,82,157	8.58%	▲2,27,796
Colodax	25,46,035	25,33,304/28,51,559	-4.14%	▼1,10,074
Zebpay	26,50,000	26,49,999/26,21,000	-0.23%	▼6,110

1.Database :

I have created database quadbtech and table crypto_table usin



```
use quadbtech;
select * from crypto_table;
```

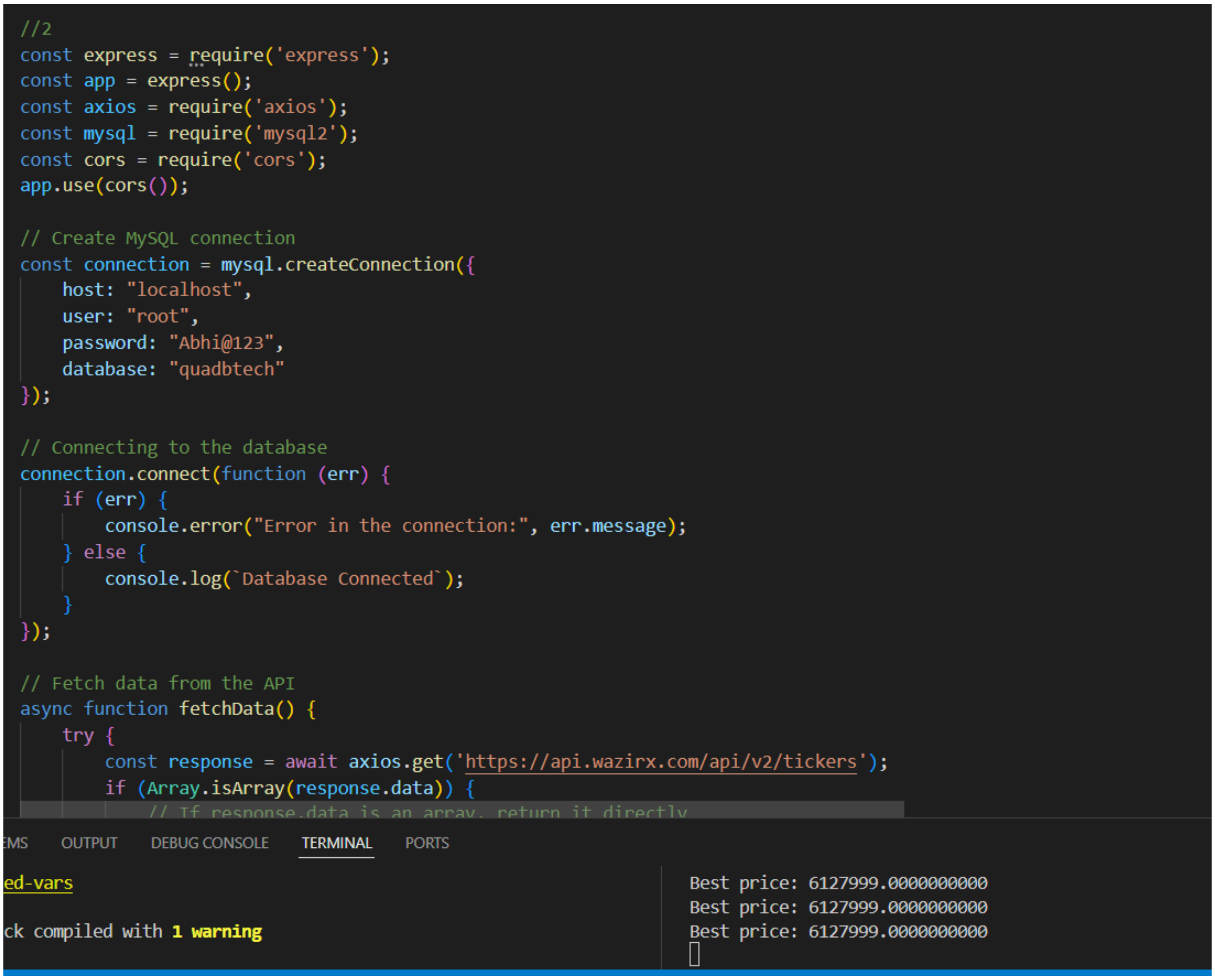
base_unit	quote_unit	low	high	last	type	open	volume	sell	buy
btc	inr	5800000.0000000000	6300000.0000000000	6127999.0000000000	SPOT	6168001.0000000000	7.6932400000	6127999.0000000000	6099238.0000000
xrp	inr	41.5999000000	51.0000000000	46.8900000000	SPOT	50.2998000000	404097.2000000000	46.8900000000	46.6920000000
eth	inr	272001.0000000000	305826.8000000000	294999.8000000000	SPOT	300998.9000000000	95.4276000000	294526.2000000000	293000.0000000
trx	inr	10.0010000000	10.7900000000	10.6453000000	SPOT	10.4501000000	1277835.0000000000	10.6452000000	10.4601000000
eos	inr	98.0100000000	108.0000000000	98.0100000000	SPOT	108.0000000000	1046.3400000000	103.0000000000	98.0100000000
zil	inr	2.8000000000	3.4000000000	3.0300000000	SPOT	3.3000000000	272782.0000000000	3.0700000000	3.0300000000
bat	inr	21.0000000000	26.8790000000	23.0000000000	SPOT	26.0000000000	23187.4100000000	24.0000000000	23.3990000000
zrx	inr	41.3900000000	53.0000000000	46.9300000000	SPOT	53.0000000000	20605.0100000000	47.1000000000	46.0400000000
req	inr	10.5001000000	12.7646000000	12.2055000000	SPOT	12.3193000000	10112.0000000000	12.1769000000	11.8031000000
nuls	inr	108.0000000000	108.0000000000	108.0000000000	SPOT	108.0000000000	0.0000000000	0.0000000000	0.0000000000

Schema: quadbtech

```
#   Time      Action                                                    Message
17  01:41:31  SELECT * FROM quadbtech.crypto_table LIMIT 0, 1000        10 row(s) returned
18  01:41:31  SELECT MAX(SELL) as bestprice FROM crypto_table LIMIT 0, 1000   1 row(s) returned
19  01:42:04  SELECT * FROM quadbtech.crypto_table LIMIT 0, 1000        10 row(s) returned
20  05:12:19  SELECT MAX(SELL) as bestprice FROM crypto_table LIMIT 0, 1000   1 row(s) returned
21  06:12:06  use quadbtech                                             0 row(s) affected
22  06:12:06  select * from crypto_table LIMIT 0, 1000                  10 row(s) returned
```

2.Backend express code

I have also created apis these to fetc

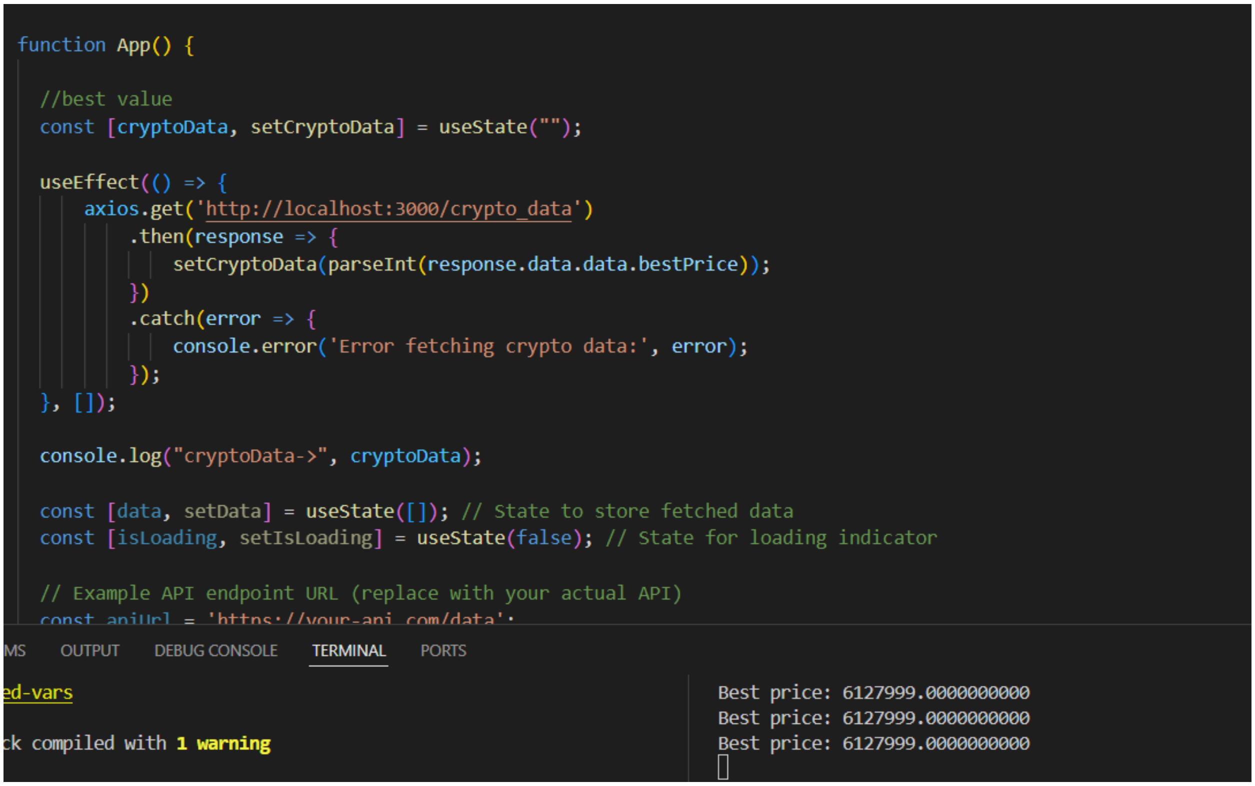


```
//2
const express = require('express');
const app = express();
const axios = require('axios');
const mysql = require('mysql2');
const cors = require('cors');
app.use(cors());

// Create MySQL connection
const connection = mysql.createConnection({
    host: "localhost",
    user: "root",
    password: "Abhi@123",
    database: "quadbtech"
});

// Connecting to the database
connection.connect(function (err) {
    if (err) {
        console.error("Error in the connection:", err.message);
    } else {
        console.log(`Database Connected`);
    }
});

// Fetch data from the API
async function fetchData() {
    try {
        const response = await axios.get('https://api.wazirx.com/api/v2/tickers');
        if (Array.isArray(response.data)) {
            // If response.data is an array, return it directly
```

```
ed-vars

ck compiled with 1 warning
```

```
Best price: 6127999.0000000000
Best price: 6127999.0000000000
Best price: 6127999.0000000000
▯
```

3.Front using React, using useState,useEffect and html,css and Js

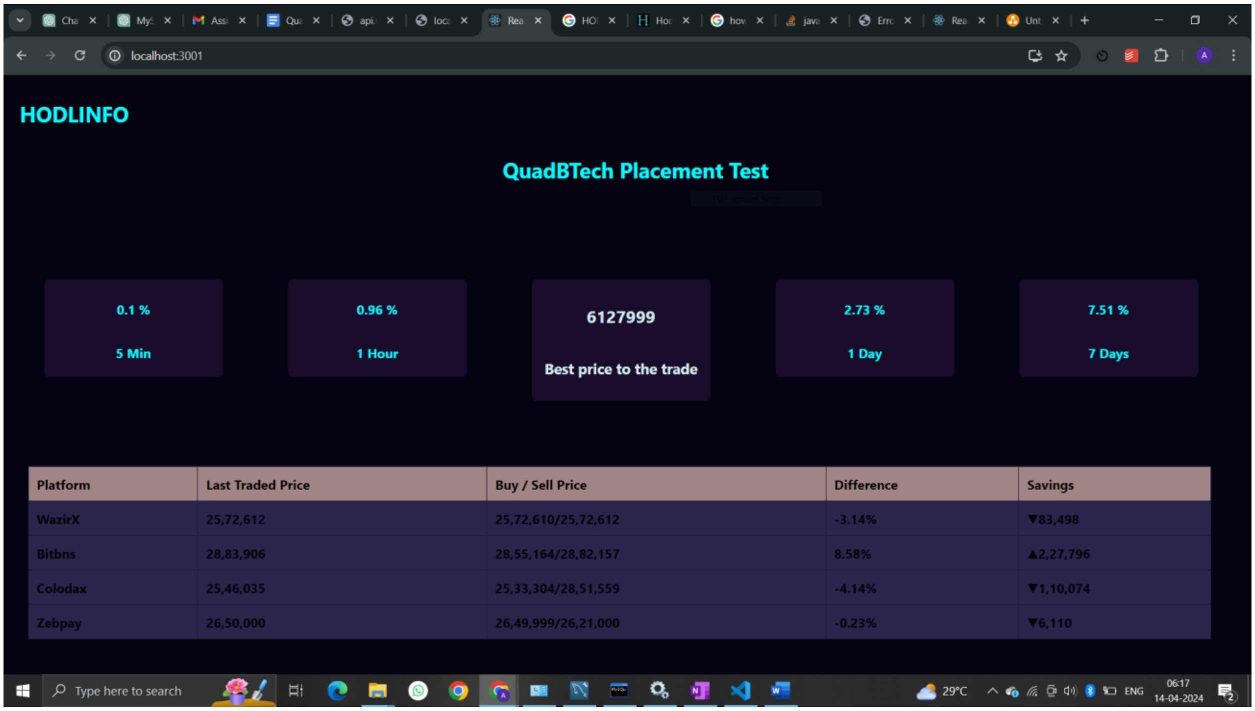


```
function App() {

  //best value
  const [cryptoData, setCryptoData] = useState("");

  useEffect(() => {
    axios.get('http://localhost:3000/crypto_data')
      .then(response => {
        setCryptoData(parseInt(response.data.data.bestPrice));
      })
      .catch(error => {
        console.error('Error fetching crypto data:', error);
      });
  }, []);

  console.log("cryptoData->", cryptoData);

  const [data, setData] = useState([]); // State to store fetched data
  const [isLoading, setIsLoading] = useState(false); // State for loading indicator

  // Example API endpoint URL (replace with your actual API)
  const apiUrl = 'https://your-api.com/data';
```

```
ed-vars

ck compiled with 1 warning
```

```
Best price: 6127999.0000000000
Best price: 6127999.0000000000
Best price: 6127999.0000000000
```

Finally this is the UI I have done using react,express and mysql.



HODLINFO

QuadBTech Placement Test

0.1 %
5 Min

0.96 %
1 Hour

6127999
Best price to the trade

2.73 %
1 Day

7.51 %
7 Days

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