NGRok + Send JSON data from node.js server: student info

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TABLE OF CONTENT

- Step 1: Implement the task Send JSON data from node.js server: student info
- Step 2: Set up NGRok
- Step 3: Integrate the application Send JSON data from node.js server: student info and NGRok so that you can let anyone in the world access your application Send JSON data from node.js server: student info.
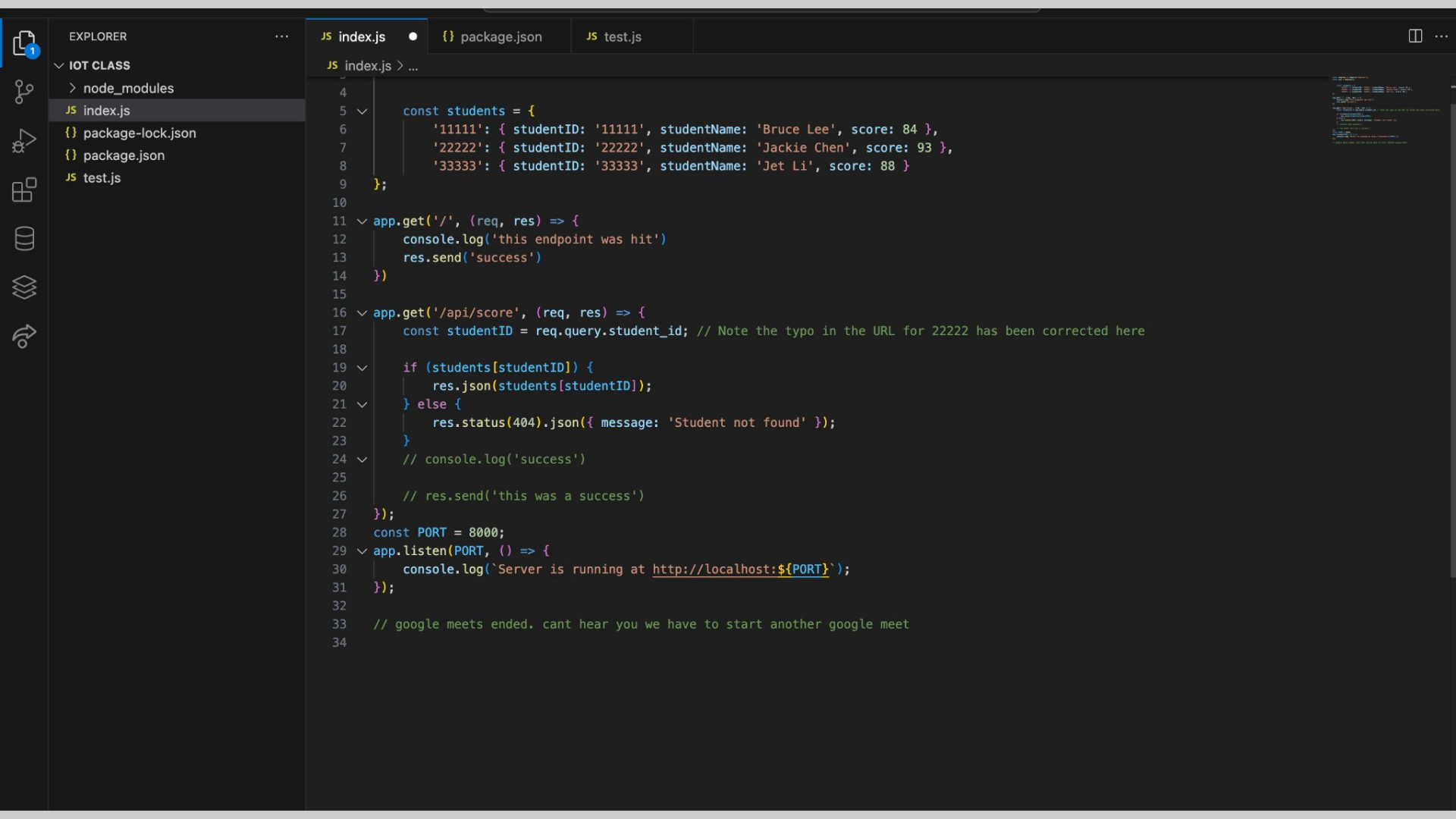
STEP 1

Create a Javascript to let a node.js server send the following data to the client.
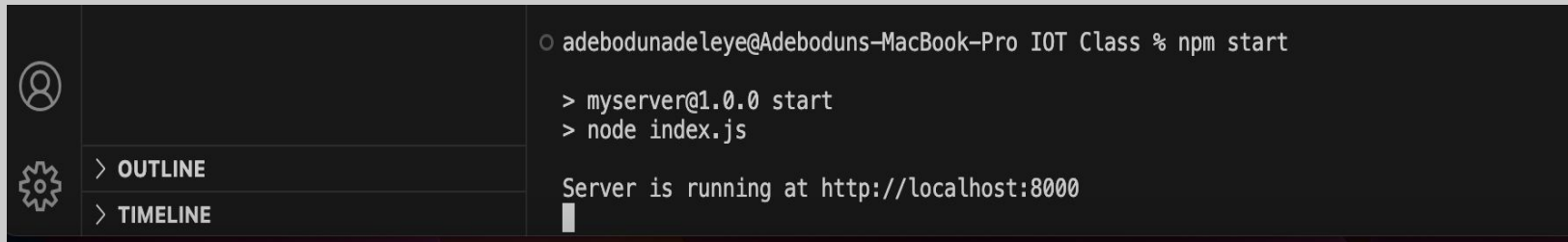
Student ID	Student Name	Score
11111	BruceLee	84
22222	Jackie Chen	93
33333	Jet Li	88

If the client types the following URL, then student ID 11111 data, including Student ID, Student Name, and Score, will be sent from the node.js server to the client:

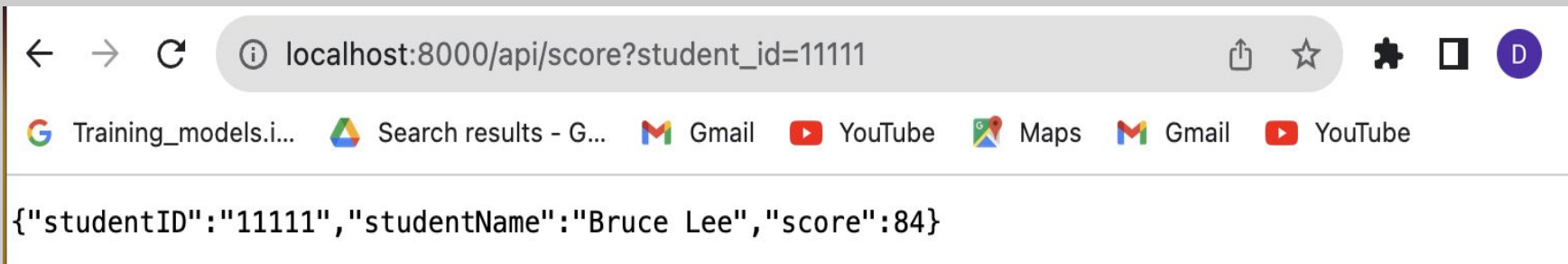http://<server>:8000/api/score?student_id=11111

```js
    4
    5    const students = {
    6        '11111': { studentID: '11111', studentName: 'Bruce Lee', score: 84 },
    7        '22222': { studentID: '22222', studentName: 'Jackie Chen', score: 93 },
    8        '33333': { studentID: '33333', studentName: 'Jet Li', score: 88 }
    9    };
   10
   11    app.get('/', (req, res) => {
   12        console.log('this endpoint was hit')
   13        res.send('success')
   14    })
   15
   16    app.get('/api/score', (req, res) => {
   17        const studentID = req.query.student_id; // Note the typo in the URL for 22222 has been corrected here
   18
   19        if (students[studentID]) {
   20            res.json(students[studentID]);
   21        } else {
   22            res.status(404).json({ message: 'Student not found' });
   23        }
   24        // console.log('success')
   25
   26        // res.send('this was a success')
   27    });
   28    const PORT = 8000;
   29    app.listen(PORT, () => {
   30        console.log(`Server is running at http://localhost:${PORT}`);
   31    });
   32
   33    // google meets ended. cant hear you we have to start another google meet
   34
```

Checking if the server is running

```
○ adebodunadeleye@Adeboduns-MacBook-Pro IOT Class % npm start

> myserver@1.0.0 start
> node index.js

Server is running at http://localhost:8000
```

> OUTLINE
> TIMELINE

Result

localhost:8000/api/score?student_id=11111

G Training_models.i... Search results - G... M Gmail ▶ YouTube Maps M Gmail ▶ YouTube

{"studentID":"11111","studentName":"Bruce Lee","score":84}

STEP 2:
Set up NGRok

```
ngrok                                                              (Ctrl+C to quit)

Introducing Always-On Global Server Load Balancer: https://ngrok.com/r/gslb

Session Status                online
Account                       Adebodun Adeleye (Plan: Free)
Update                        update available (version 3.3.5, Ctrl-U to update)
Version                       3.3.4
Region                        United States (California) (us-cal-1)
Latency                       8ms
Web Interface                 http://127.0.0.1:4040
Forwarding                    https://0233-2001-5a8-6106-9d00-ecf0-abd1-678a-3288.ngrok-free.app -> http:/

Connections                   ttl       opn       rt1       rt5       p50       p90
                              1         0         0.01      0.00      5.09      5.09

HTTP Requests
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```
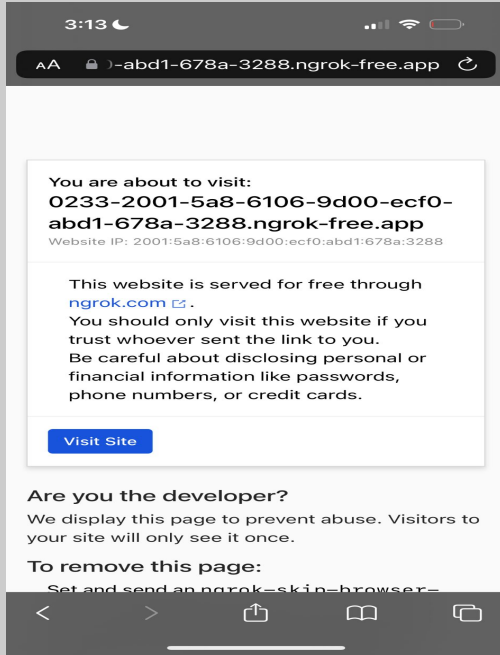
Using the URL in the forwarding part

STEP 3

{"studentID":"11111","studentName":"Bruce Lee","score":84}