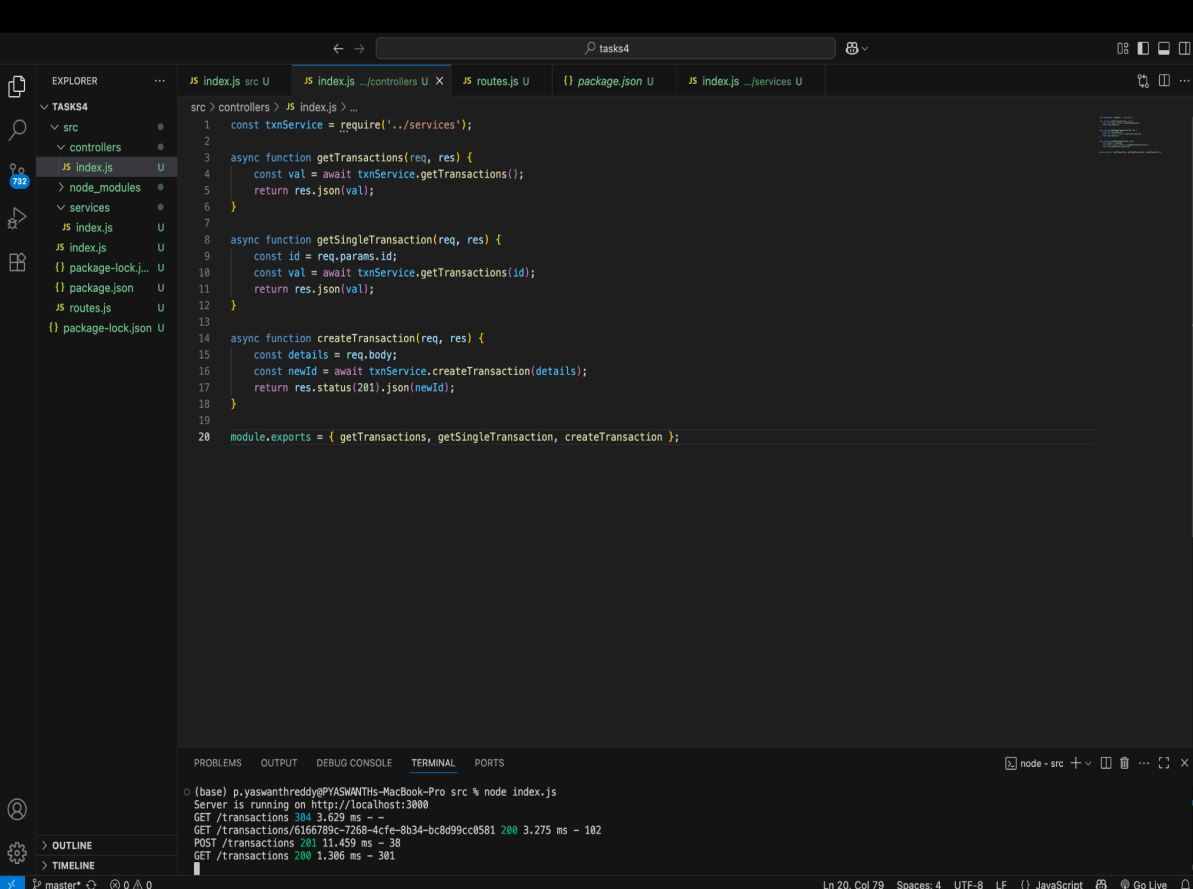


## Task 4 terminal output



The image shows a VS Code editor with a project named 'tasks4'. The Explorer sidebar on the left shows the file structure: src, controllers, services, and routes. The main editor displays the file 'src > controllers > index.js'. The code defines three asynchronous functions: 'getTransactions', 'getSingleTransaction', and 'createTransaction', each using 'await' to call a service. The 'module.exports' object contains these three functions. The bottom panel shows the 'TERMINAL' output, which indicates the server is running on 'http://localhost:3000' and lists several HTTP requests and their response times.

```
src > controllers > index.js > ...
1  const txnService = require("../services");
2
3  async function getTransactions(req, res) {
4    const val = await txnService.getTransactions();
5    return res.json(val);
6  }
7
8  async function getSingleTransaction(req, res) {
9    const id = req.params.id;
10   const val = await txnService.getTransactions(id);
11   return res.json(val);
12 }
13
14 async function createTransaction(req, res) {
15   const details = req.body;
16   const newId = await txnService.createTransaction(details);
17   return res.status(201).json(newId);
18 }
19
20 module.exports = { getTransactions, getSingleTransaction, createTransaction };
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

node - src + - - - - - x

(base) p.yaswanthreddy@PYASHNITHs-MacBook-Pro src % node index.js

Server is running on http://localhost:3000

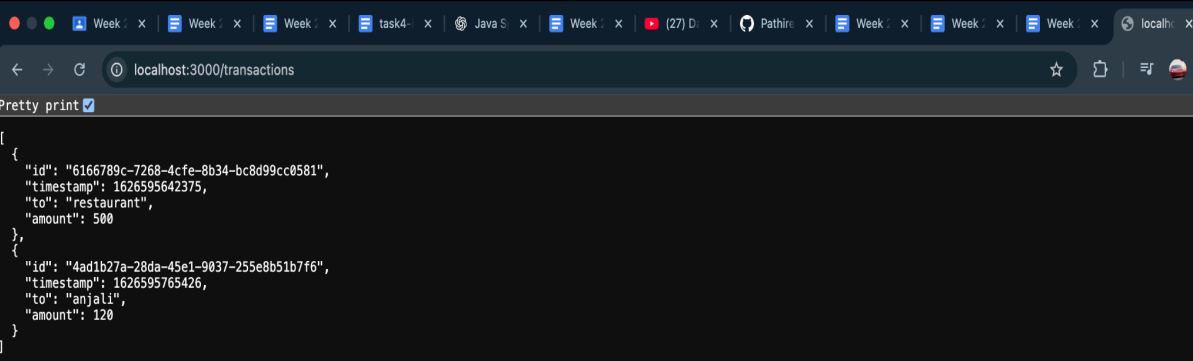
GET /transactions 304 3.629 ms - -

GET /transactions/6166789c-7268-4cfe-8b34-bc8d99cc0581 200 3.275 ms - 102

POST /transactions 201 11.459 ms - 38

GET /transactions 200 1.306 ms - 301

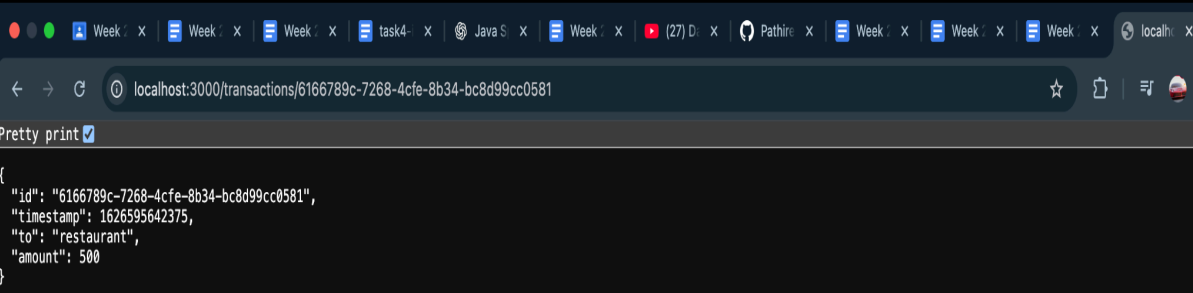
## GET /transactions



The image shows a web browser window with the address bar set to 'localhost:3000/transactions'. The page content, displayed in a 'Pretty print' view, shows a JSON array of two transaction objects. Each object contains an 'id', 'timestamp', 'to', and 'amount'.

```
{
  "id": "6166789c-7268-4cfe-8b34-bc8d99cc0581",
  "timestamp": 1626595642375,
  "to": "restaurant",
  "amount": 500
}, {
  "id": "4ad1b27a-28da-45e1-9037-255e8b51b7f6",
  "timestamp": 1626595765426,
  "to": "anjali",
  "amount": 120
}]
```

## GET /transactions/:id



The image shows a web browser window with the address bar set to 'localhost:3000/transactions/6166789c-7268-4cfe-8b34-bc8d99cc0581'. The page content, displayed in a 'Pretty print' view, shows a single transaction object with the same fields as the previous response.

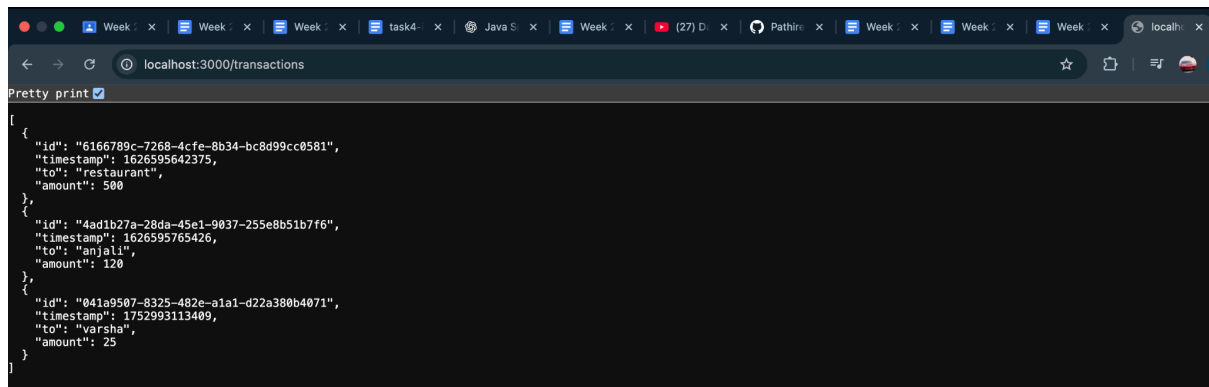
```
{
  "id": "6166789c-7268-4cfe-8b34-bc8d99cc0581",
  "timestamp": 1626595642375,
  "to": "restaurant",
  "amount": 500
}
```

POST /transactions

Body : { "to": "varsha", "amount": 25 }

```
(base) p.yaswanthreddy@PYASWANTHS-MacBook-Pro ~ % curl -X POST http://localhost:3000/transactions -H "Content-Type: application/json" --data '{"to": "varsha", "amount": 25}'
{"id": "041a9507-8325-482e-a1a1-d22a380b4071", "timestamp": 1752993113409, "to": "varsha", "amount": 25}
(base) p.yaswanthreddy@PYASWANTHS-MacBook-Pro ~ % curl http://localhost:3000/transactions
[{"id": "6166789c-7268-4cfe-8b34-bc8d99cc0581", "timestamp": 1626595642375, "to": "restaurant", "amount": 500}, {"id": "4ad1b27a-28da-45e1-9037-255e8b51b7f6", "timestamp": 1626595765426, "to": "anjali", "amount": 120}, {"id": "041a9507-8325-482e-a1a1-d22a380b4071", "timestamp": 1752993113409, "to": "varsha", "amount": 25}]
(base) p.yaswanthreddy@PYASWANTHS-MacBook-Pro ~ %
```

GET /transactions



```
[{"id": "6166789c-7268-4cfe-8b34-bc8d99cc0581", "timestamp": 1626595642375, "to": "restaurant", "amount": 500}, {"id": "4ad1b27a-28da-45e1-9037-255e8b51b7f6", "timestamp": 1626595765426, "to": "anjali", "amount": 120}, {"id": "041a9507-8325-482e-a1a1-d22a380b4071", "timestamp": 1752993113409, "to": "varsha", "amount": 25}]
```

Github link:

<https://github.com/PathireddyYaswanthReddy/rg-assignments/blob/master/week2/Assignment%202/tasks4/src/index.js>