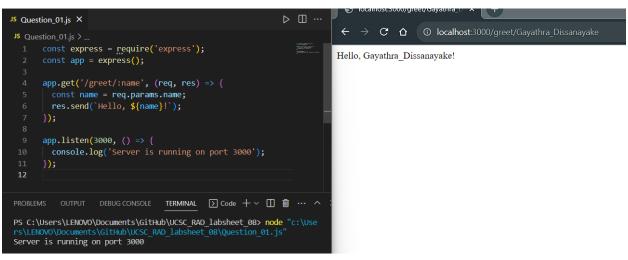
SCS2208 Rapid Application Development

Labsheet 08

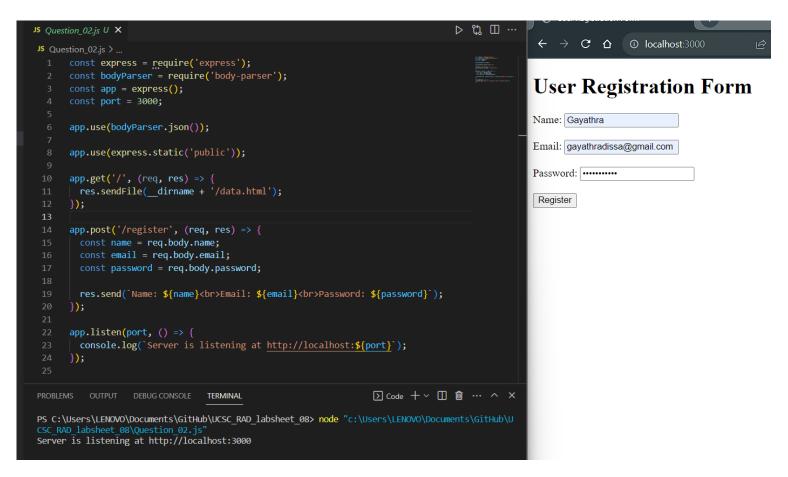
Index number: 21000557

- Github Repository: https://github.com/ltsAeox/UCSC RAD labsheet 08
- Screenshots of the code is given below.

1.

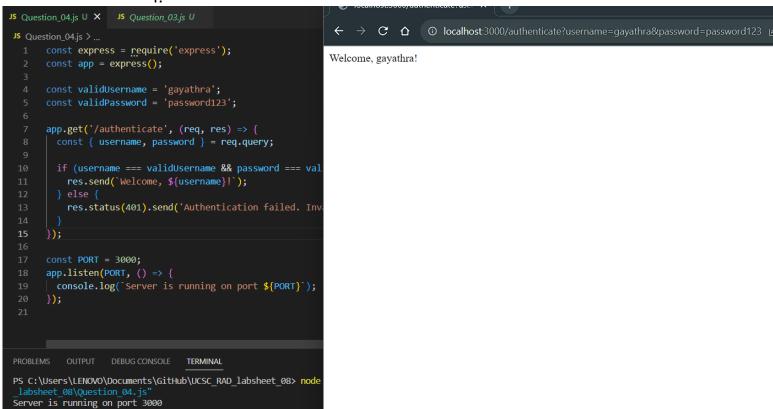


2. Returns as undefined



3.

4.



```
JS Question_05.js > ...
      const express = require('express');
      const app = express();
      app.use((req, res, next) => {
      res.status(404).render('error404');
      });
      app.use((err, req, res, next) => {
        console.error(err.stack);
        res.status(500).render('error500');
      });
 11
 12
 13
      app.listen(3000, () => {
        console.log('Server is running on port 3000');
      });
16
PROBLEMS
          OUTPUT
                   DEBUG CONSOLE
                                 TERMINAL
PS C:\Users\LENOVO\Documents\GitHub\UCSC_RAD_labsheet_08> node "c:
labsheet 08\Question 05.js"
Server is running on port 3000
```

6.

```
const express = require('express');
      const app = express();
      const port = 3000;
      app.get('/calculate', (req, res) => {
          const num1 = parseFloat(req.query.num1);
          const num2 = parseFloat(req.query.num2);
          const operation = req.query.operation;
          let result;
          switch (operation) {
              case 'add':
                 result = num1 + num2;
                 break;
              case 'subtract':
                 result = num1 - num2;
                 break;
              case 'multiply':
                 result = num1 * num2;
                 break;
 21
                 if (num2 !== 0) {
                      result = num1 / num2;
                  } else {
                      return res.status(400).json({ error: 'Division by zero is not allowed' });
                 break;
              default:
                 return res.status(400).json({ error: 'Invalid operation provided' });
          res.json({ result });
      app.listen(port, () => {
          console.log(`Server is listening at http://localhost:${port}`);
          C
               ① localhost:3000/calculate?num1=4&num2=7&operation=multiply
{"result":28}
                仚
                       ① localhost:3000/calculate?num1=10&num2=2&operation=subtract
{"result":8}
```