**Class:** Third Year (Computer Science and Engineering)

**Year:** 2020-21 **Semester:** 2

Course: Advanced Web and Mobile Application Development Lab (4CS381)

#### Practical No. 7

#### **Exam Seat No:**

- 1. 2018BTECS00033- Mahendra Bhimrao Gharge
- 2. GitHub URL: https://github.com/g-mahendra/awamad

## **Problem Statement 1:**

- 1. Write an Express app that uses the multiple call-back functions to handle a request.
- 2. Use different routes to show the use of call-back functions.
- 3. Use at least two call-back functions.
- 4. Use array of functions as an argument.

#### **Screenshot 1:**

**Information 1:** Installed express with **npm i express** 

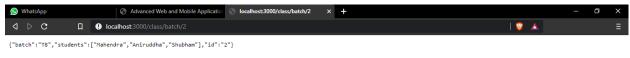
## **Screenshot 2:**

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multiple_callback.js - p7_workspace (Workspace) - Visual Studio Code
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EM6New/AWAMAD/awamad/P7 [master *]

$ node multiple_callback.js !243
Listening on localhost:3000
            9  const HOST = "localhost";
10  const PORT = 3000;
                                                                                                                                         batch: 'T8',
students: [ 'Mahendra', 'Aniruddha', 'Shubham'
                  app.get("/", (req, res) => {
    res.json("AWAMAD LAB Practical 7 Visit /class/batch with id to get details");
                  var getBatch = {};
 app.get(
  "/class/batch/:id",
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**Information 2:** Using multiple callbacks for retrieving and sending JSON data.

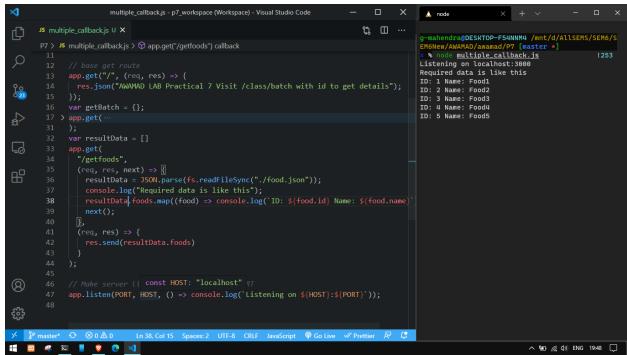
## **Screenshot 3:**



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**Information 3:** Output of data sent using multiple callbacks

## **Screenshot 4:**



**Information 4:** Using route /getfoods to send data of foods using two call back functions

# **Screenshot 5:**



**Information 5:** Output of getFoods route

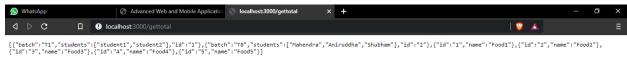
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## **Screenshot 6:**

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multiple_callback.js - p7_workspace (Workspace) - Visual Studio Code
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EM6New/AWAMAD/awamad/P7 [master *]
$ node multiple_callback.js !257
Listening on localhost:3000
Total result array:
                                                           const getBatches = (req, res, next) => {
  const data = JSON.parse(fs.readFileSync("./class.json"));
                                                                                                                                                                                                                                                                                                                                                                                                                                                             { batch: 'Tl', students: [ 'studentl', 'studen
2' ], id: 'l' },
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    batch: 'T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     batch: '18',
students: [ 'Mahendra', 'Aniruddha', 'Shubha
     const data = JSON.parse(fs.readFileSync("./food.json"));
data.foods.map((food) => totalResult.push(food));
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Total result array:
                                                                                                                                                                                                                                                                                                                                                                                                                                                             { batch: 'Tl', students: [ 'studentl', 'studen
2' ], id: 'l' },
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     students: [ 'Mahendra', 'Aniruddha', 'Shubha
                                                                                                                                                                                                                                                                                                                                                                                                                                                            1, id:
                                                                                                                                                                                                                                                                                                                                                                                                                                                            },
{ id:
{ id:
{ id:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        '1', name: 'Food1'
'2', name: 'Food2'
'3', name: 'Food3'
                                                               app.get("/gettotal", [getBatches, getFoods, sendData]);
     (8)
                                                              app.listen(PORT, HOST, () => console.log(`Listening on ${HOST}:${PORT}`));
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```

**Information 6:** Using three callbacks with array of callbacks

## **Screenshot 7:**



**Information 7: output of** using three callbacks with array of callbacks

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