CLASS: F.Y. MCA **SEM: I**

COURSE CODE: MC504 **SUBJECT NAME: WEB TECHNOLOGY LAB**

ROLL NO. 2022510059 **BATCH: D**

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EXPERIMENT NO: 08

EXPERIMENT TITLE: Write a program to add two numbers using rest api and express js.

Objective:

In this web app, there is only going to have one client side html file and two server sidenode.js files. The html file will have two forms. One with GET method that submits a name to the server and the server will respond with a greeting message. The other formwith POST method that submits two numbers to the server and the server will respond with the sum of the two numbers.

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Simple Node App Template</title>
</head>
<body>
  <form action ="/svc/greeting" method="GET">
    <input name="firstname" type="text" placeholder="First Name">
    <button type="submit"></button>
  </form>
  <br>
  <form action="/svc/add" method="POST">
    <input name="num1" type="number">
    <span>PLUS</span>
    <input name="num2" type="number">
    <button type="submit">Button</button>
  </form>

</body>
</html>
```

Server.js

```
var express=require('express'),
```

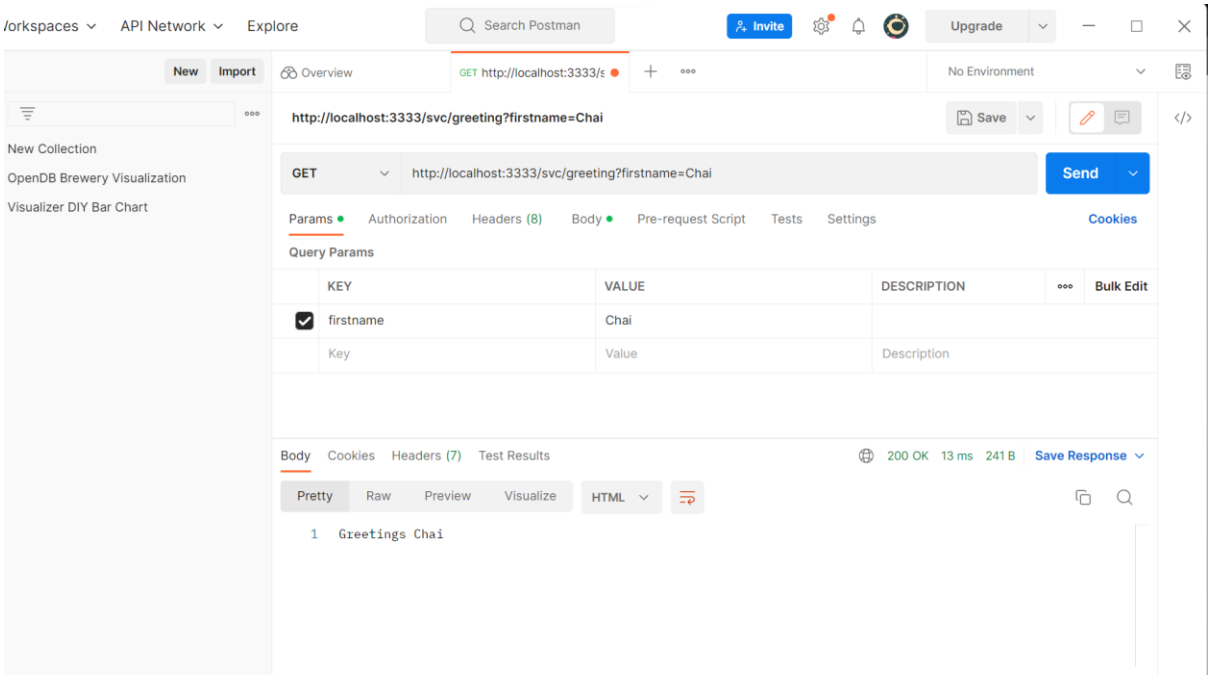
```
bodyParser=require('body-parser'),
app=express(),
service=require('./service.js');
app.use(bodyParser.json());
app.use(bodyParser.urlencoded({
  extended:true
}));

app.use(express.static('../public'));
service.attachService(app);
app.listen(3333);
console.log("server at http://localhost:3333");
```

service.js

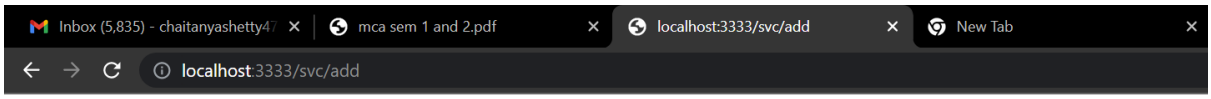
```
function greeting(req,res){
  var fn = req.query.firstname;
  res.send("Greetings " +fn);
}

function addition(req,res){
  var n1 = req.body.num1,
  n2 = req.body.num2,
  sum = parseInt(n1) + parseInt(n2);
  res.send(n1 + ' plus ' + n2 +' is equal to '+ sum);
}

var attachService = function(app){
  app.get('/svc/greeting',greeting);
  app.post('/svc/add',addition);
};
exports.attachService=attachService;
```

localhost:3333/svc/greeting

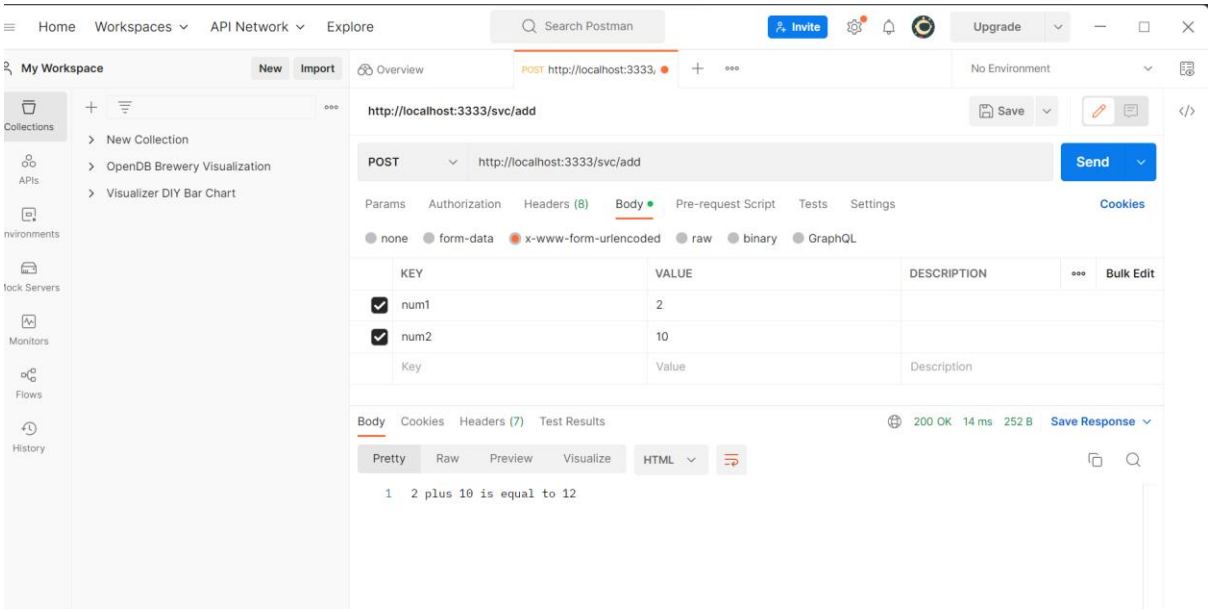
Greetings Chaitanya



localhost:3333/svc/add



23 plus 99 is equal to 122


Home
Workspaces
API Network
Explore
Search Postman
Invite
Upgrade
My Workspace
New
Import
Overview
POST http://localhost:3333,
No Environment
Collections
APIs
Monitors
Flows
History
New Collection
OpenDB Brewery Visualization
Visualizer DIY Bar Chart
http://localhost:3333/svc/add
Save
POST
http://localhost:3333/svc/add
Send
Params
Authorization
Headers (8)
Body
Pre-request Script
Tests
Settings
Cookies
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
KEY
VALUE
DESCRIPTION
Bulk Edit
num1
2
num2
10
Key
Value
Description
Body
Cookies
Headers (7)
Test Results
200 OK
14 ms
252 B
Save Response
Pretty
Raw
Preview
Visualize
HTML
1 2 plus 10 is equal to 12