

Name: Ritu Singh

Roll no : Gf202346594

Greet event-

The screenshot shows a VS Code interface with a terminal window open. The terminal shows the output of running a Node.js script named `eventemitter.js`. The script creates an `EventEmitter` object, adds a listener for the `'greet'` event, emits the `'greet'` event with the argument `'Ritu'`, and logs "Hello there, Ritu!" to the console.

```
JS eventemitter.js x JS Mongopart.js
JS eventemitter.js > ...
1 const { EventEmitter } = require('events');
2
3
4
5 const myEmitter = new EventEmitter();
6
7
8 function greetListener(person) {
9   console.log(`Hello there, ${person}!`);
10 }
11 myEmitter.on('greet', greetListener);
12
13
14 myEmitter.emit('greet', 'Ritu');

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS POLYGLOT NOTEBOOK
+ v ... | [] x
● PS D:\P5 node Ritu> node eventemitter.js
Hello there, Ritu!
○ PS D:\P5 node Ritu>
```

Mongodb-

The screenshot shows a VS Code interface with a terminal window open. The terminal shows the output of running a Node.js script named `Mongopart.js`. The script connects to a MongoDB database, inserts a new user document, finds all users, and then stops the MongoDB server. It also logs the inserted user ID and the list of all users.

```
JS eventemitter.js x JS Mongopart.js x
JS Mongopart.js > ⏺ runDemo()
4 async function runDemo() {
5   const client = await MongoClient.connect('mongodb://127.0.0.1:27017/test');
6   const collection = client.db('test').collection('users');
7   const insertResult = await collection.insertOne({ name: 'Ritu Singh', age: 22, email: 'ritu@example.com' });
8   console.log(`Inserted user with ID: ${insertResult.insertedId}`);
9
10  const allUsers = await collection.find({}).toArray();
11  console.log('All users:', allUsers);
12
13  await client.close();
14  await memServer.stop();
15  console.log('Stopped MongoDB');
16
17 }

runDemo();

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS POLYGLOT NOTEBOOK
+ v ... | [] x
● PS D:\P5 node Ritu> node eventemitter.js
Hello there, Ritu!
● PS D:\P5 node Ritu> node mongopart.js
Connected to MongoDB
Inserted user with ID: 68d216a28e7c1f0cf7206efa
All users: [
  {
    _id: new ObjectId('68d216a28e7c1f0cf7206efa'),
    name: 'Ritu Singh',
    age: 22,
    email: 'ritu@example.com'
  }
]
Stopped MongoDB
○ PS D:\P5 node Ritu>
```

Links for Github repos-

Practical 1- <https://github.com/RituSingh0204/Node-JS-Practical-1.git>

Practical 2- <https://github.com/RituSingh0204/Practical-2-NODE-JS.git>

Practical 3- <https://github.com/RituSingh0204/Practical-3-NODE-JS.git>

Practical 4- <https://github.com/RituSingh0204/Practical-4-NODE-JS.git>

Practical 5- <https://github.com/RituSingh0204/Practical-5-NODE-JS.git>