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Full Stack Assignment 7

Question 2 :

```
1  const { MongoClient, ConnectionCheckOutStartedEvent } = require('mongodb');
2  const db_name = "restaurants"
3
4  ▼ async function main(){
5
6      const uri = "mongodb+srv://full_stack:full_stack@cluster0.qf8ov.mongodb.net/test?retryWrites=true&w=majority";
7
8
9      const client = new MongoClient(uri, { useNewUrlParser: true, useUnifiedTopology: true });
10     try{
11         await client.connect();
12         //Question a
13         await listAll(client);
14         //Question b
15         await findAll(client);
16         //Question c
17         await createlisting(client,"testing")
18         //Question d
19         await createMultipleListings(client, ["test_1", "test_2", "test_3"])
20         //Question e
21         await insertOneDocument(client,"restaurants",{
22             res_id : "50",
23             name : "Subbu Mess",
24             rating : "4.9",
25             address : "Gandhipuram, Coimbatore"
26         })
27     }catch(e){
28         console.error(e);
29     }finally{
30         await client.close();
31     }
32 }
33
34
35
36 ▼ main().catch(console.error);
37
38 ▼ async function listAll(client){
39     const result = await client.db(db_name).collection("restaurants").find();
40     const results = await result.toArray();
41     results.forEach((result,i) =>{
42         console.log(`${i+1}. restaurant id : ${result.res_id}`);
43     });
44 }
45
46
47 ▼ async function findAll(client){
48     const result = await client.db(db_name).collection("restaurants").find();
49     const results = await result.toArray();
50     results.forEach((result,i) =>{
51         console.log(`${i+1}. `);
52         console.log(`    restaurant_id : ${result.res_id}`);
53         console.log(`    name : ${result.name}`);
54         console.log(`    borough : ${result.address}`);
55         console.log(`    rating : ${result.rating}`);
56         console.log();
57     });
58 }
59
60 ▼ async function createlisting(client,collection){
61     const result = client.db(db_name).createCollection(collection)
62     console.log("created collection name : "+collection)
63 }
64
65 ▼ async function createMultipleListings(client,collections){
66     collections.forEach((collection)=>{
67         const result = client.db(db_name).createCollection(collection)
68         console.log("created collection name : "+collection)
69     })
70 }
71
72 ▼ async function insertOneDocument(client,collection,data){
73     const result = await client.db(db_name).collection(collection).insertOne(data);
74     console.log(`${result}`);
75 }
```

Output:

```
C:\Users\ebene\Desktop>node mongoAtlas.js
1. restaurant_id : 1
2. restaurant_id : 2
3. restaurant_id : 3
4. restaurant_id : 4
5. restaurant_id : 5
6. restaurant_id : 6
7. restaurant_id : 7
8. restaurant_id : 8
9. restaurant_id : 9
10. restaurant_id : 10
11. restaurant_id : 11
12. restaurant_id : 12
13. restaurant_id : 13
14. restaurant_id : 14
15. restaurant_id : 15
16. restaurant_id : 16
17. restaurant_id : 17
18. restaurant_id : 18
19. restaurant_id : 19
20. restaurant_id : 20
21. restaurant_id : 21
22. restaurant_id : 22
23. restaurant_id : 23
24. restaurant_id : 24
25. restaurant_id : 25
26. restaurant_id : 26
27. restaurant_id : 27
28. restaurant_id : 28
29. restaurant_id : 29
30. restaurant_id : 30
31. restaurant_id : 31
32. restaurant_id : 32
33. restaurant_id : 33
1.
  restaurant_id : 1
  name : The Oberoi Grand
  borough : No.5, Arunachalam Road,Opp Prasad Studio, Saligramam,Vadapalani, Chennai - 600093
  rating : 4.8
2.
  restaurant_id : 2
  name : Belmond Grand Hotel
```

More data of documents here

```
rating : 4.4
28.
  restaurant_id : 28
  name : Tongabezi Lodge
  borough : 146, Tt Krishnamachari Rd, Cooperative Colony, Sri Ram Nagar, Alwarpet, Chennai - 600018
  rating : 3.8
29.
  restaurant_id : 29
  name : Tommy Guns Garage
  borough : 1St Floor, Kuppuswamy Street,Gopathi Narayanaswami Chetty Rd, T. Nagar, Chennai - 600017
  rating : 4.0
30.
  restaurant_id : 30
  name : Fruce
  borough : Crowne Plaza Chennai Adyar Park, 132, Ttk Road, Chennai - 600018
  rating : 3.8
31.
  restaurant_id : 31
  name : Nacho Daddy
  borough : 2Nd, 3Rd Tower Victorie, 45, Gopathi Narayanaswami Chetty Rd, T. Nagar, Chennai - 600017
  rating : 3.9
32.
  restaurant_id : 32
  name : Momo Jojo
  borough : 39, College Road, Nungambakkam, Chennai - 600006
  rating : 4.5
33.
  restaurant_id : 33
  name : Dough Doughnuts
  borough : No.6, Mayor Ramanathan Salai, Spur Tank Road, Chetpet, Chennai - 600031
  rating : 3.8
created collection name : testing
created collection name : test_1
created collection name : test_2
created collection name : test_3
[object Object]
```

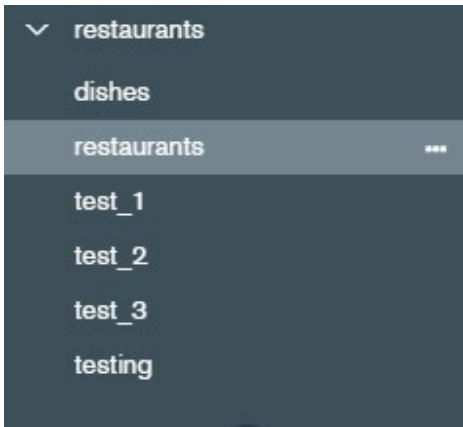
Data Inserted :

```
_id: ObjectId("6101a0023348b7c7224ce8fb")
res_id: "50"
name: "Subbu Mess"
rating: "4.9"
address: "Gandhipuram, Coimbatore"
```

Existing Collections :



After Code Execution :



Question 3 : command : npx create-react-app node_7

Question 4 :

App.js

```
import logo from './logo.svg';
import React,{Component} from 'react';
import './App.css';
import Example from './components/example';
import Name from './components/name';
import Copyright from './components/copyright';

class App extends Component{
  render (){
    return <div className="App">
      <header className="App-header">
        <img src={logo} className="App-logo" alt="logo" />
        <p>
          Rendered from App.js a
        </p>
      </header>
    </div>
```

```

        <Example/>
        <Name/>
        <Copyright/>
      </header>
    </div>
  }
}

export default App;

```

components/example.js

```

import React, {Component} from "react";

class Example extends Component {
  render(){
    return <h4> This is sample text by the component</h4>;
  }
}

export default Example;

```

components/name.js

```

import React from 'react';
import {Component} from "react";

class Name extends Component {
  render(){
    return <span>
      this is another text from another component
    </span>
    ;
  }
}

export default Name;

```

components/copyright.js

```

import React, {Component} from "react";

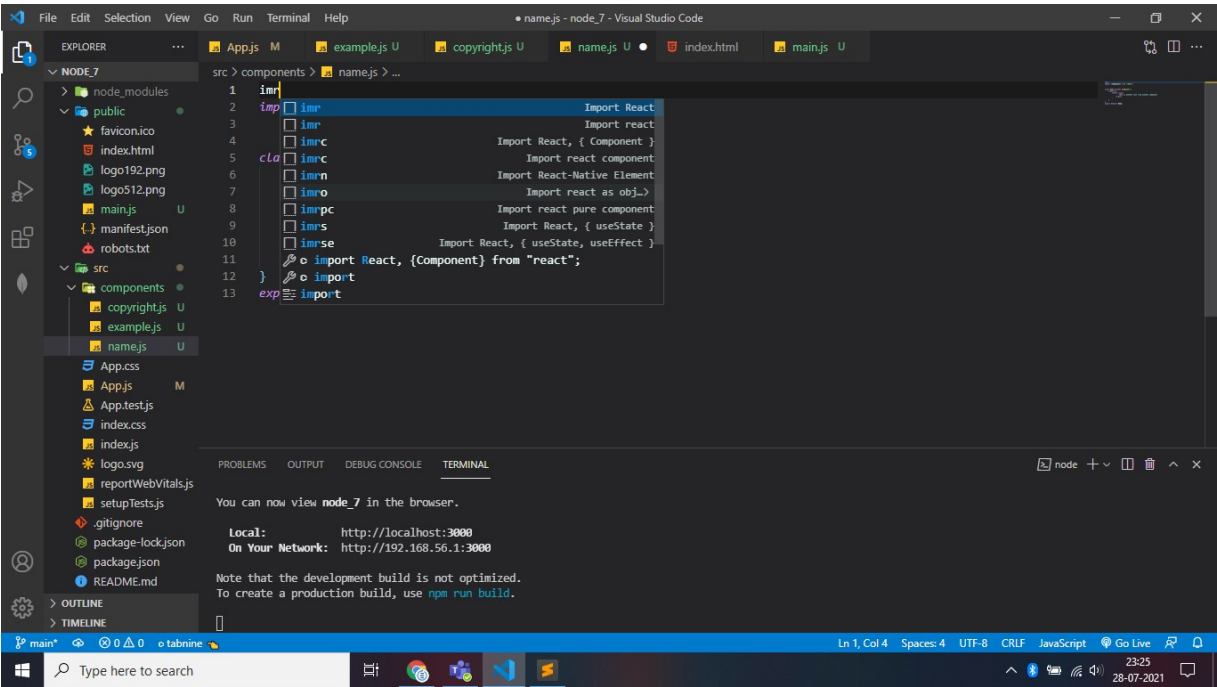
class Copyright extends Component {
  render(){
    return <span>
      Copyrights &#169; 2021 Ebenezer Isaac (Component 3)
    </span>
  }
}

export default Copyright;

```

```
    </span>
  };
}
export default Copyright;
```

Question 5 :



The screenshot shows the Visual Studio Code editor with a file named 'namejs.js' open. The code defines a React component class 'Name' that extends 'Component'. The 'render' method returns a JSX element containing a span with the text 'this is another text from another component'. The terminal at the bottom shows the command 'node' and the output 'You can now view node_7 in the browser.' with local and network URLs.

```
1 import React from 'react';
2 import {Component} from 'react';
3
4
5 class Name extends Component {
6   render(){
7     return <span>
8       this is another text from another component
9     </span>
10   }
11 }
12
13 export default Name;
```

Local: http://localhost:3000
On Your Network: http://192.168.56.1:3000

Note that the development build is not optimized.
To create a production build, use `npm run build`.

