Notes

<https://www.youtube.com/watch?v=ZQL7tL2S0oQ>

<https://www.youtube.com/watch?v=qqzIA1BQ_ys&list=PLillGF-RfqbYZty73_PHBqKRDnv7ikh68&index=2>

INXL+trugao@AVEN-1B7G453 MINGW64 /c/myprojects

$ mkdir react-express-graphql

INXL+trugao@AVEN-1B7G453 MINGW64 /c/myprojects

$ cd react-express-graphql/

INXL+trugao@AVEN-1B7G453 MINGW64 /c/myprojects/react-express-graphql

$ touch server.js

INXL+trugao@AVEN-1B7G453 MINGW64 /c/myprojects/react-express-graphql

$ npm init -y

Wrote to C:\myprojects\react-express-graphql\package.json:

{

"name": "react-express-graphql",

"version": "1.0.0",

"description": "",

"main": "server.js",

"scripts": {

"test": "echo \"Error: no test specified\" && exit 1",

"start": "node server.js"

},

"keywords": [],

"author": "",

"license": "ISC"

}

INXL+trugao@AVEN-1B7G453 MINGW64 /c/myprojects/react-express-graphql

$ npm install express nodemon

C:\myprojects\react-express-graphql>npm start

> react-express-graphql@1.0.0 start C:\myprojects\react-express-graphql

> nodemon server.js

[nodemon] 2.0.15

[nodemon] to restart at any time, enter `rs`

[nodemon] watching path(s): \*.\*

[nodemon] watching extensions: js,mjs,json

[nodemon] starting `node server.js`

Server Running on port 5000

Open <http://localhost:5000/>

Graphical user interface, text, application, chat or text message

Description automatically generated

**Repository on github:**

Create new repository on github and then perform following steps:

Graphical user interface, text, application, email

Description automatically generated

C:\myprojects\react-express-graphql>echo "# react-express-graphql" >> README.md

C:\myprojects\react-express-graphql>git init

Initialized empty Git repository in C:/myprojects/react-express-graphql/.git/

C:\myprojects\react-express-graphql>git add README.md

C:\myprojects\react-express-graphql>git commit -m "first commit"

[master (root-commit) 46ee8a2] first commit

1 file changed, 1 insertion(+)

create mode 100644 README.md

C:\myprojects\react-express-graphql>git branch -M main

C:\myprojects\react-express-graphql>git remote add origin https://github.com/truptigaonkar/react-express-graphql.git

C:\myprojects\react-express-graphql>git push -u origin main

1. Basic graphql queries

**server.js**

*const* express *=* *require*("express");

*const* { buildSchema } *=* *require*("graphql");

*const* { graphqlHTTP } *=* *require*("express-graphql");

*const* app *=* express();

*const* schema *=* buildSchema(`

    type User {

        name: String

        age: Int

        college: String

    }

    type Query {

        hello: String

        welcomeMessage(name: String, dayOfWeek: String): String

        getUSer: User

    }

`);

*// Resolver*

*const* root *=* {

  hello: () *=>* {

*return* "hello world";

  },

  welcomeMessage: (args) *=>* {

*return* `Hey, ${args.name} Hows life. Today is ${args.dayOfWeek}`;

  },

  getUSer: () *=>* {

*const* user *=* {

      name: "John Doe",

      age: 26,

      college: "Ruparel",

    };

*return* user;

  },

};

app.use(

  "/graphql",

  graphqlHTTP({

    graphiql: *true*,

    schema: schema,

    rootValue: root,

  })

); *// http://localhost:4000/graphql*

app.listen(1000, () *=>* console.log(`Server on port 1000`));

Run <http://localhost:1000/graphql>

|  |  |
| --- | --- |
| Query | Result |
| {  hello  welcomeMessage(name: "John", dayOfWeek: "Sunday")  getUSer {  name  age  college  }  } | {  "data": {  "hello": "hello world",  "welcomeMessage": "Hey, John Hows life. Today is Sunday",  "getUSer": {  "name": "John Doe",  "age": 26,  "college": "Ruparel"  }  }  } |

Scatter chart

Description automatically generated with low confidence