

Date : 1st - Dec- 2020

Morning Session : 9am – 11.00 PM

By ~ Akash

Topics: REST API WITH NODEJS - 2

Rest Api With NODEJS code implementation

```
1  const express = require('express');
2  const app = express();
3  const port = process.env.PORT || 9900;
4  const mongo = require('mongodb');
5  const MongoClient = mongo.MongoClient;
6  const bodyParser = require('body-parser');
7  const cors = require('cors');
8  const mongourl = "mongodb://localhost:27017";
9
```

By default Mongodb run port 27017

React run on : 3000

Node run on : 4000

Connection with MongoDB

```
//connection with mongodb
MongoClient.connect(mongourl, (err, connection) => {
  if(err) console.log(err);
  db = connection.db('attainu');
  app.listen(port, (err) => {
    console.log(`Server is running on port ${port}`)
  })
})
```

1st route Health Check:

```
let db;
let col_name="userdata";

app.use(cors());
app.use(bodyParser.urlencoded({extended:true}));
app.use(bodyParser.json());

//health Check
app.get('/',(req,res) => {
  res.status(200).send("Health OK")
});
```

Get users:

```
//getUser
app.get('/users',(req,res) => {
  var authtoken = req.header('x-access-token')
  if(authtoken == 'iamvaliduser1'){
    var query={}
    if(req.query.city){
      query={city:req.query.city,isActive:true}
    }else if(req.query.id){
      query={_id:Number(req.query.id),isActive:true}
    }else{
      query = {isActive:true}
    }
    db.collection(col_name).find(query).toArray((err,result) => {
      if(err) throw err;
      res.status(200).send(result)
    })
  }else{
    res.status(200).send('Your are not allowed')
  }
});
```

Add user:

```
//add users
app.post('/addUser',(req,res) => {
  db.collection(col_name).insert(req.body,(err,result) => {
    if(err) throw err
    res.send('Data Added')
  })
});
```

Update user:

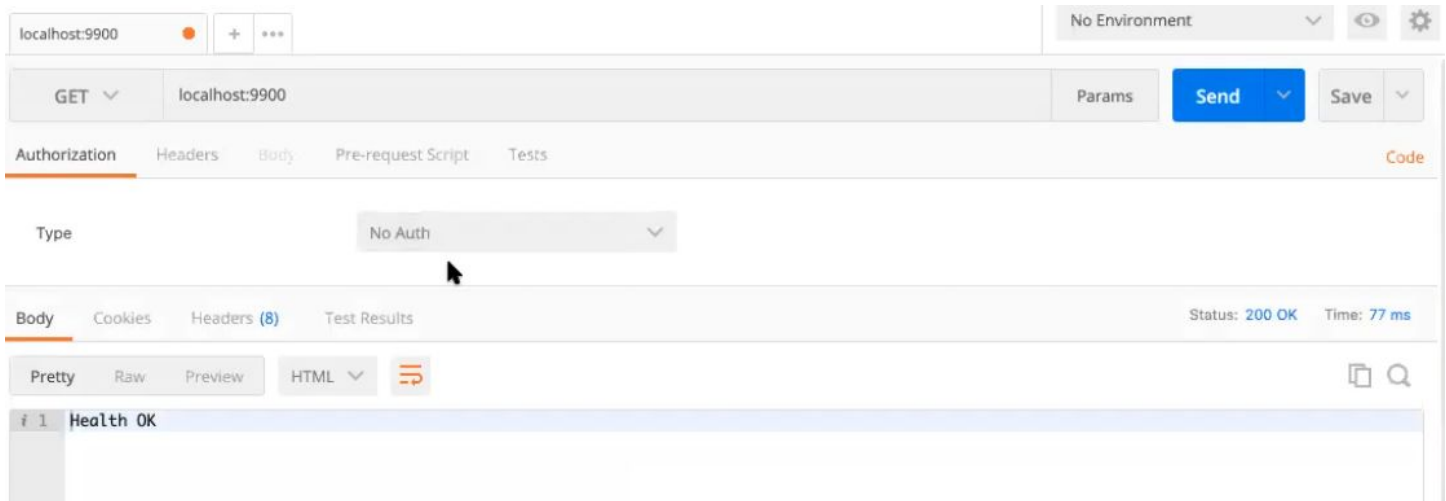
```
//updateUser
app.put('/updateUser',(req,res)=>{
  db.collection(col_name).update(
    {_id:req.body._id},
    {
      $set:{
        name:req.body.name,
        city:req.body.city,
        phone:req.body.phone,
        isActive:true
      }
    },(err,result) => {
      if(err){
        res.status(403).send('Error in response')
      }else{
        res.status(200).send('Data updated')
      }
    }
  )
});
```

Delete user:

```
//Delete User
app.delete('/deleteUser',(req,res) =>{
  db.collection(col_name).remove({_id:req.body._id}),(err,result) => {
    if(err) throw err;
    res.send('Data Deleted')
  });
});
```

PostMan:

[Introduction to Postman for API Development - GeeksforGeeks](#)



Please go through the Recorded Lecture For Code Implementation.