IN PREVIOUS WE HAD SEEN ONLY POST

NOW WE ARE GOING TO SEE
GET
PUT/PATCH
DELETE

SO OPEN EmployeeeControllers.js and write code to GET
Method and initially it contains to add new record (POST)
code don't remove just add code to GET
find()--→ used to get data

```js
const createEmployee = async (req, res) => {
  try {
    const { name, email, phone, city } = req.body;

    const employee = new Employee({
      name,
      email,
      phone,
      city,
    });

    await employee.save();
    res.status(201).json(employee);
    //201 indicates success
  } catch (error) {
    console.log("there is an error : ", error);
    res.status(500).json({ message: "server error" });
  }
};

const getEmployees = async (req, res) => {
  try {
    const employees = await Employee.find(); // getting data from models
    res.status(200).json(employees);
  } catch (error) {
    console.error("There is an error : ", error);
    res.status(500).json({ message: "server error" });
  }
};

module.exports = { createEmployee, getEmployees };
```

Explanation of GET

This code defines an asynchronous function `getEmployees` which is intended to retrieve all employee records from the database and send them back as a JSON response. However, there

```javascript
const getEmployees = async (req, res) => {
  try {
    const employees = await Employee.find(); // getting data from models
    res.status(200).json(employees); // Corrected response variable
  } catch (error) {
    console.error("There is an error : ", error);
    res.status(500).json({ message: "server error" });
  }
};
```

Next → go to → Employeerouter.js and write router for GET method

```javascript
const express = require("express");
const router = express.Router();
const employeeController = require("../controllers/EmployeeeController");
const Employee = require("../models/Employee");

//post method
router.post("/add-emp", employeeController.createEmployee);
//get method
router.get("/allemployees", employeeController.getEmployees);

module.exports = router;
```

It get methodmeans show data so we can directly see in browser

We got data in browser

5000 → port number

Employees→middleware

allemployees → router

http://localhost:5000/employees/allemployees

Pretty-print ☐

[{"_id":"667488feaac5dc9fe7b2299c","name":"varshith","email":"vvv@gmail.com","phone":123455,"city":"vissa","__v":0},
{"_id":"667489abaac5dc9fe7b2299e","name":"harshith","email":"hvv@gmail.com","phone":3455,"city":"ssa","__v":0},
{"_id":"66755f18947f480660a60cee","name":"suresh","email":"sureshnagubnadi@gmail.com","phone":123455,"city":"Vijayawada","__v":0},
{"_id":"667561f2947f480660a60cf0","name":"samurai","email":"goku@gmail.com","phone":992299,"city":"Vizag","__v":0},
{"_id":"66756225947f480660a60cf2","name":"Arjun","email":"allu@gmail.com","phone":999999,"city":"hyd","__v":0}]

Now are are going to learn the how to fetch single record according to their id or name or email

→now go to controller and write code to get single record

1)by id -→ findById()

```
24
25    const getEmployees = async (req, res) => {
26      try {
27        const employees = await Employee.find(); // getting data from models
28        res.status(200).json(employees);
29      } catch (error) {
30        console.error("There is an error : ", error);
31        res.status(500).json({ message: "server error" });
32      }
33    };
34
35    const singleEmployee=async(req,res)=>
36      {
37        try{
38          const employee=await Employee.findById(req.params.id)
39
40          // if entered not there means
41          if(!employee)
42            {
43              return res.status(404).json({message : "Employee not found"})
44
45            }
46            res.status(200).json(employee)
47        }
48        catch(error){
49          console.error("there is an error",error);
50          res.status(500).json({message : "server error"})
51        }
52      }
53
54
55
56    module.exports = { createEmployee, getEmployees ,singleEmployee};
```

Create router to it

```
const express = require("express");
const router = express.Router();
const employeeController = require("../controllers/EmployeeeController");
const Employee = require("../models/Employee");

//post method
router.post("/add-emp", employeeController.createEmployee);
//get method
router.get("/allemployees", employeeController.getEmployees);
//get single row by id
router.get("/employee/:id", employeeController.singleEmployee);     ⬅

module.exports = router;
```

Seach in chrome by keeping id →

http://localhost:5000/employees/employee/667488feaac5dc9fe7b2299c

Pretty-print ☐

```
{"_id":"667488feaac5dc9fe7b2299c","name":"varshith","email":"vvv@gmail.com","phone":123455,"city":"vissa","__v":0}
```

2) by name → findOne()

```
const singleEmployee = async (req, res) => {
  try {
    const employee = await Employee.findOne({ name: req.params.name });

    // if entered not there means
    if (!employee) {
      return res.status(404).json({ message: "Employee not found" });
    }
    res.status(200).json(employee);
  } catch (error) {
    console.error("there is an error", error);
    res.status(500).json({ message: "server error" });
  }
};
```

```
const singleEmployee = async (req, res) => {
  try {
    const employee = await Employee.findOne({ name: req.params.name });

    // if entered not there means
    if (!employee) {
      return res.status(404).json({ message: "Employee not found" });
    }
    res.status(200).json(employee);
  } catch (error) {
    console.error("there is an error", error);
    res.status(500).json({ message: "server error" });
  }
};
```

Create router for it

```
const express = require("express");
const router = express.Router();
const employeeController = require("../controllers/EmployeeeController");
const Employee = require("../models/Employee");

//post method
router.post("/add-emp", employeeController.createEmployee);
//get method
router.get("/allemployees", employeeController.getEmployees);
//get single row by name
router.get("/employee/:name", employeeController.singleEmployee);

module.exports = router;
```

http://localhost:5000/employees/employee/harshith

Pretty-print ☐

{"_id":"667489abaac5dc9fe7b2299e","name":"harshith","email":"hvv@gmail.com","phone":3455,"city":"ssa","__v":0}