COMP3123

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API Tests:

1.)

Trying to **sign up** using username, email and password :

POST /api/v1/user/signup

Input:

{

"username": "johndoe",

"email": "johndoe@example.com",

"password": "password123"

}

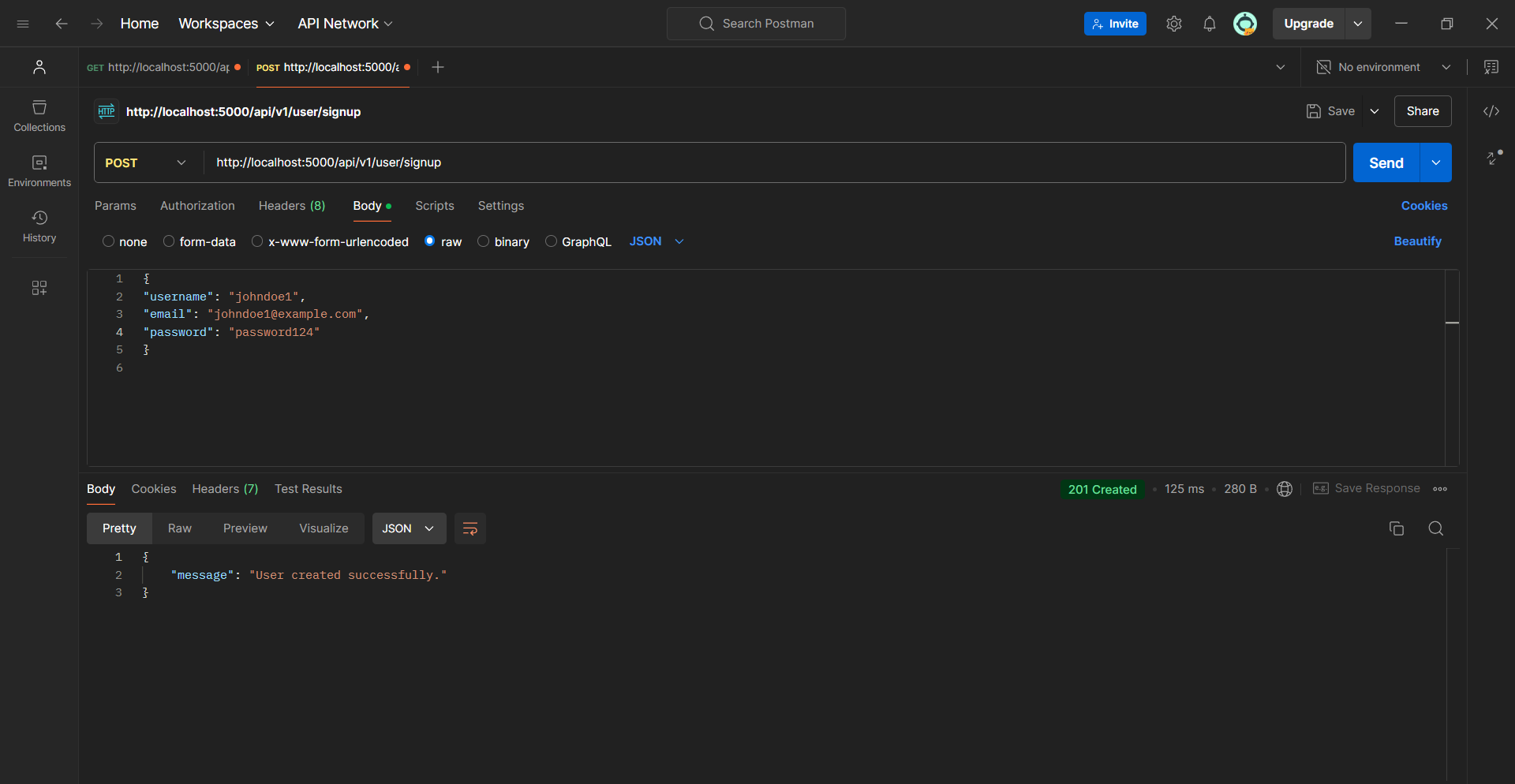
Output:

{

"message": "User created successfully.",

"user\_id": "64c9e5a3d9f3c1a5c9b4e8a1"

}



2.) Trying to **login** using the same credentials as previous POST request:

POST /api/v1/user/login

Input:  
/api/v1/user/login

{

"email": "johndoe1@example.com",

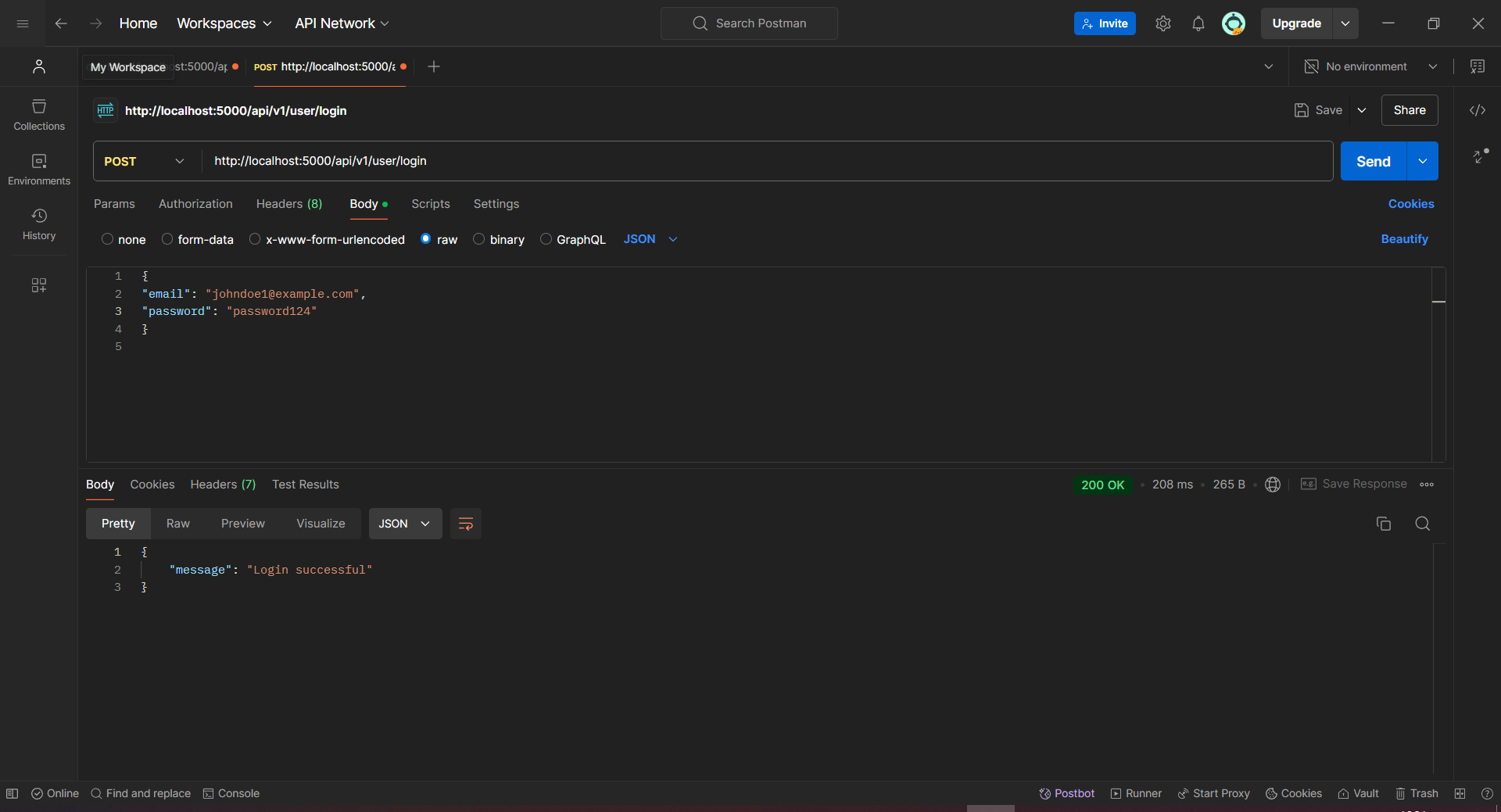
"password": "password124  
}

Output:  
{

"message": "Login successful.",

“jwt\_token”: “Optional implementation

}



3.) Trying to **create** an employee by entering their details as JSON :  
  
POST /api/v1/emp/employees

Input:  
{

"first\_name": "Alice",

"last\_name": "Johnson",

"email": "alice.johnson@example.com",

"position": "Designer",

"salary": 85000,

"date\_of\_joining": "2023-08-10T00:00:00.000Z",

"department": "Design"

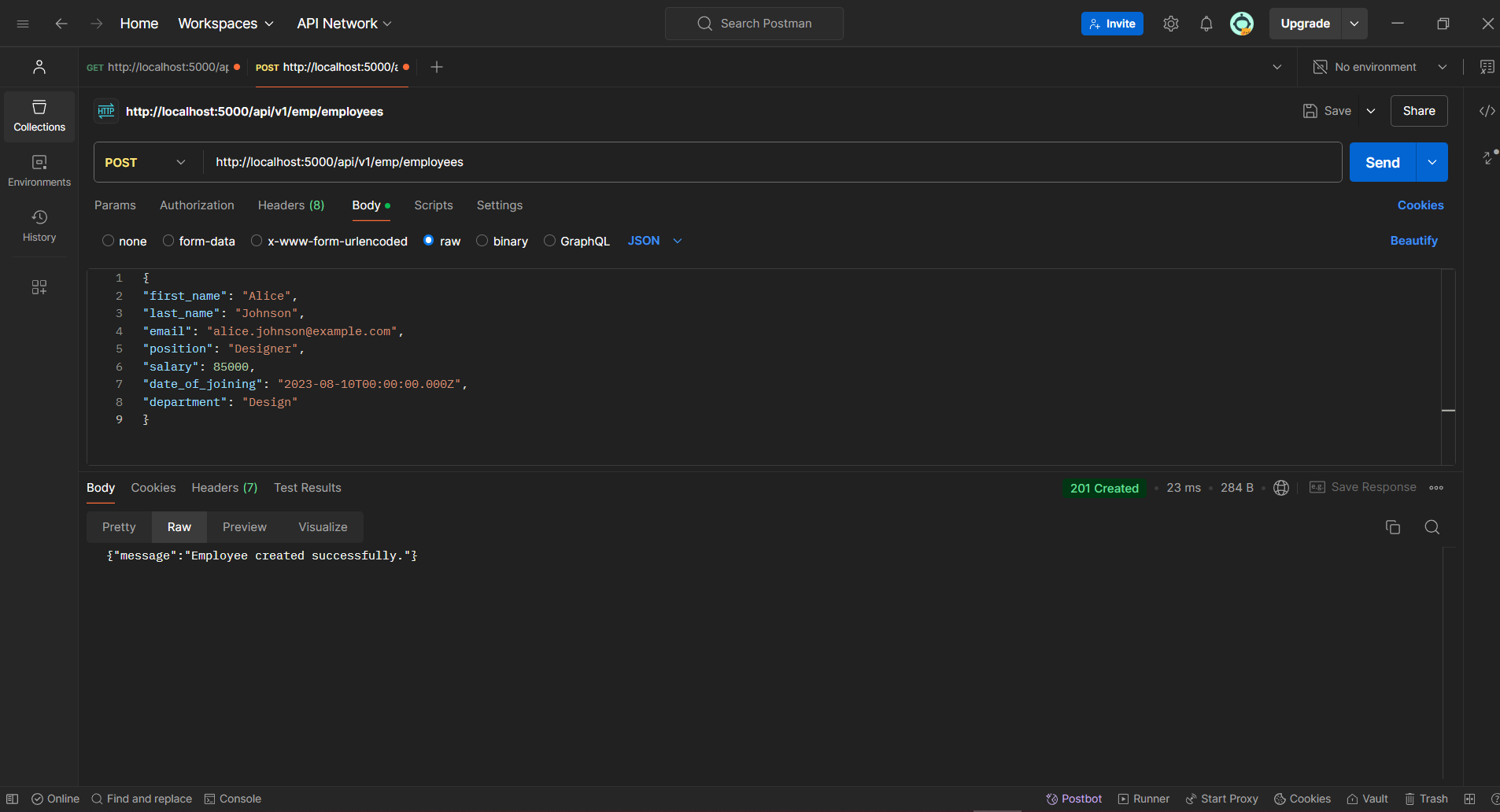
}

Output:  
{

"message": "Employee created successfully.",

"employee\_id": "64c9e5a3d9f3c1a5c9b4e8a4"

}



4.)

Trying to **get** details of all the employees in our database using a GET request:

GET /api/v1/emp/employees

Input: none because it’s a GET request  
  
ouput: [

{

"employee\_id": "64c9e5a3d9f3c1a5c9b4e8a2",

"first\_name": "Jane",

"last\_name": "Doe",

"email": "jane.doe@example.com",

"position": "Software Engineer",

"salary": 90000,

"date\_of\_joining": "2023-08-01T00:00:00.000Z",

"department": "Engineering"

},

{ "employee\_id": "64c9e5a3d9f3c1a5c9b4e8a3",

"first\_name": "John",

"last\_name": "Smith",

"email": "john.smith@example.com",

"position": "Product Manager",

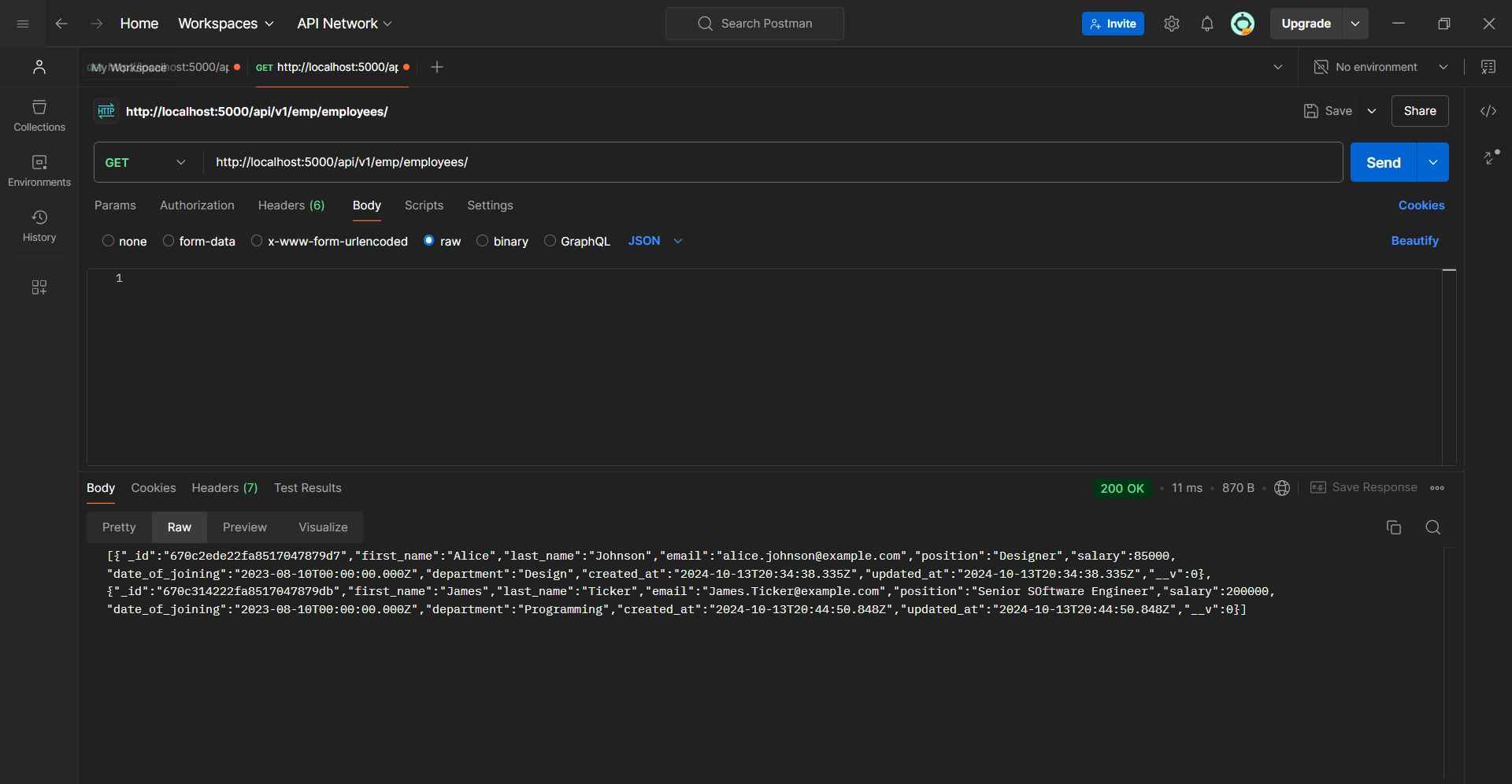
"salary": 110000,

"date\_of\_joining": "2023-07-15T00:00:00.000Z",

"department": "Product"

}

]



5.) Trying to **get** the details of a specific employee by entering their ID:

GET /api/v1/emp/employees/64c9e5a3d9f3c1a5c9b4e8a4

Input:  
NONE, because it’s a GET request.  
  
Output:  
{

"employee\_id": "64c9e5a3d9f3c1a5c9b4e8a4",

"first\_name": "Alice",

"last\_name": "Johnson",

"email": "alice.johnson@example.com",

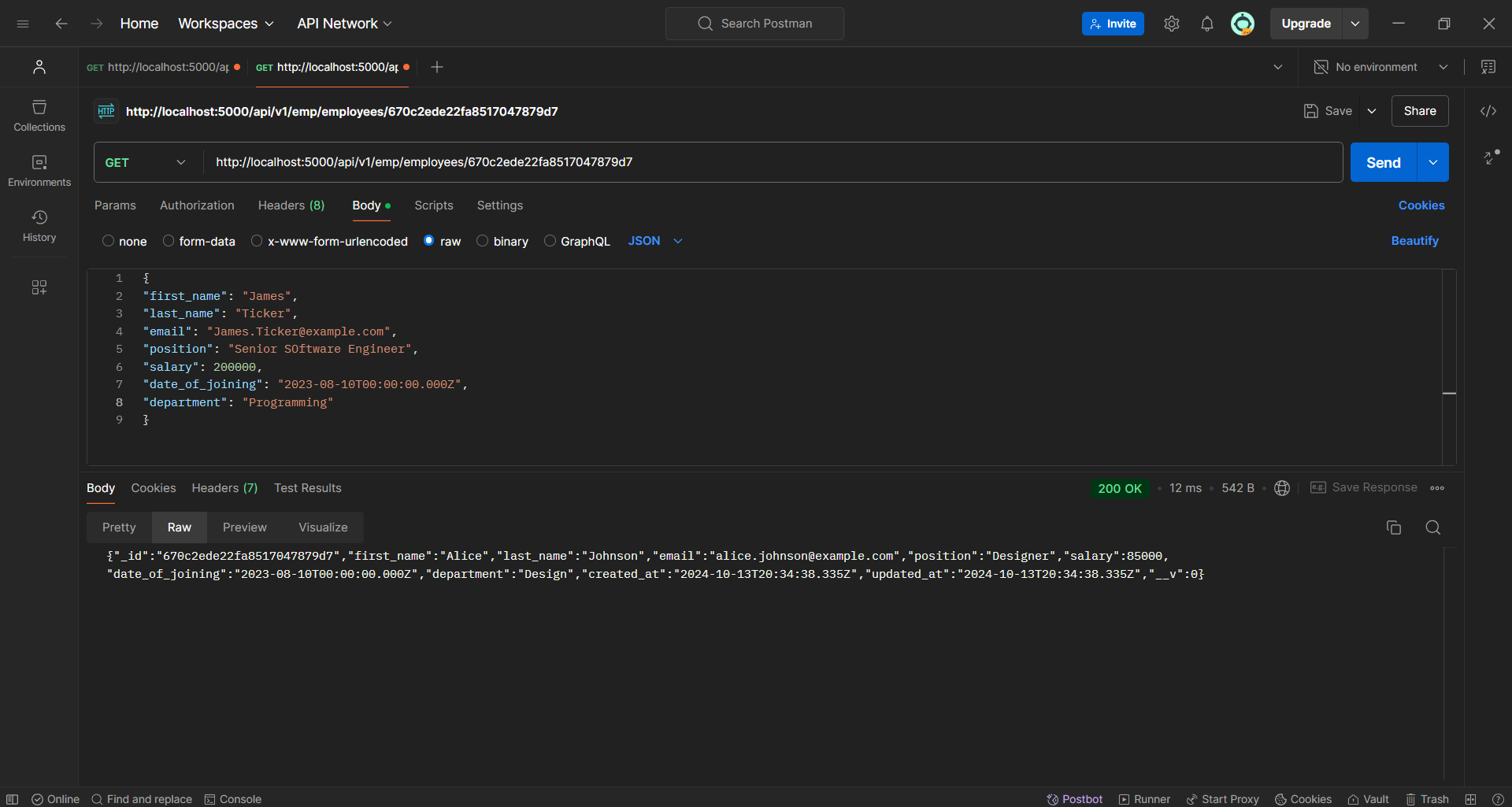
"position": "Designer",

"salary": 85000,

"date\_of\_joining": "2023-08-10T00:00:00.000Z",

"department": "Design"

}



6.) Trying to **update** a specific employee’s details:

PUT /api/v1/emp/employees/{eid}

Input:

{

"position": "Senior Designer",

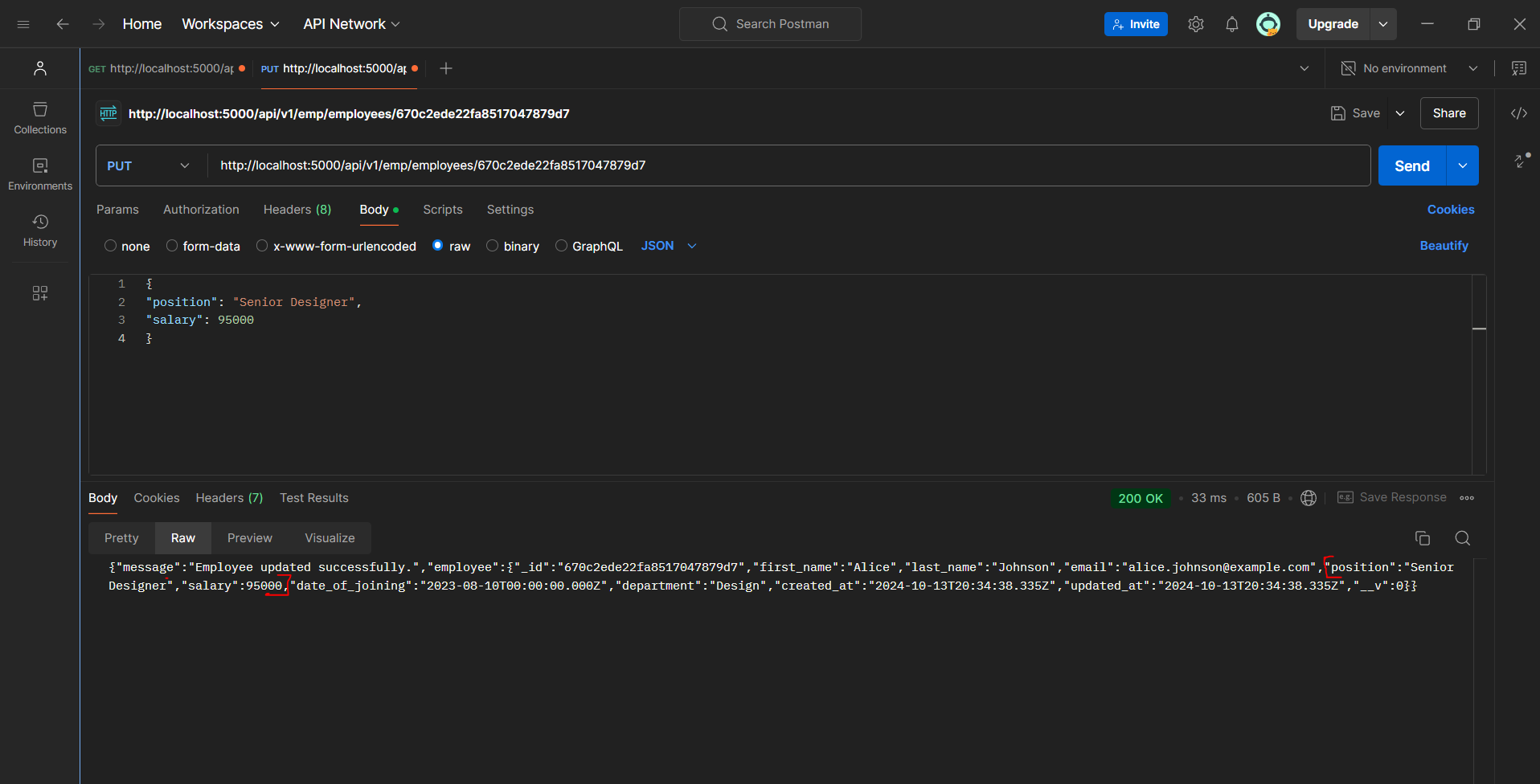
"salary": 95000

}

Output:  
{

"message": "Employee details updated successfully."

}



7.) Trying to **Delete** employee data from our database:

DELETE

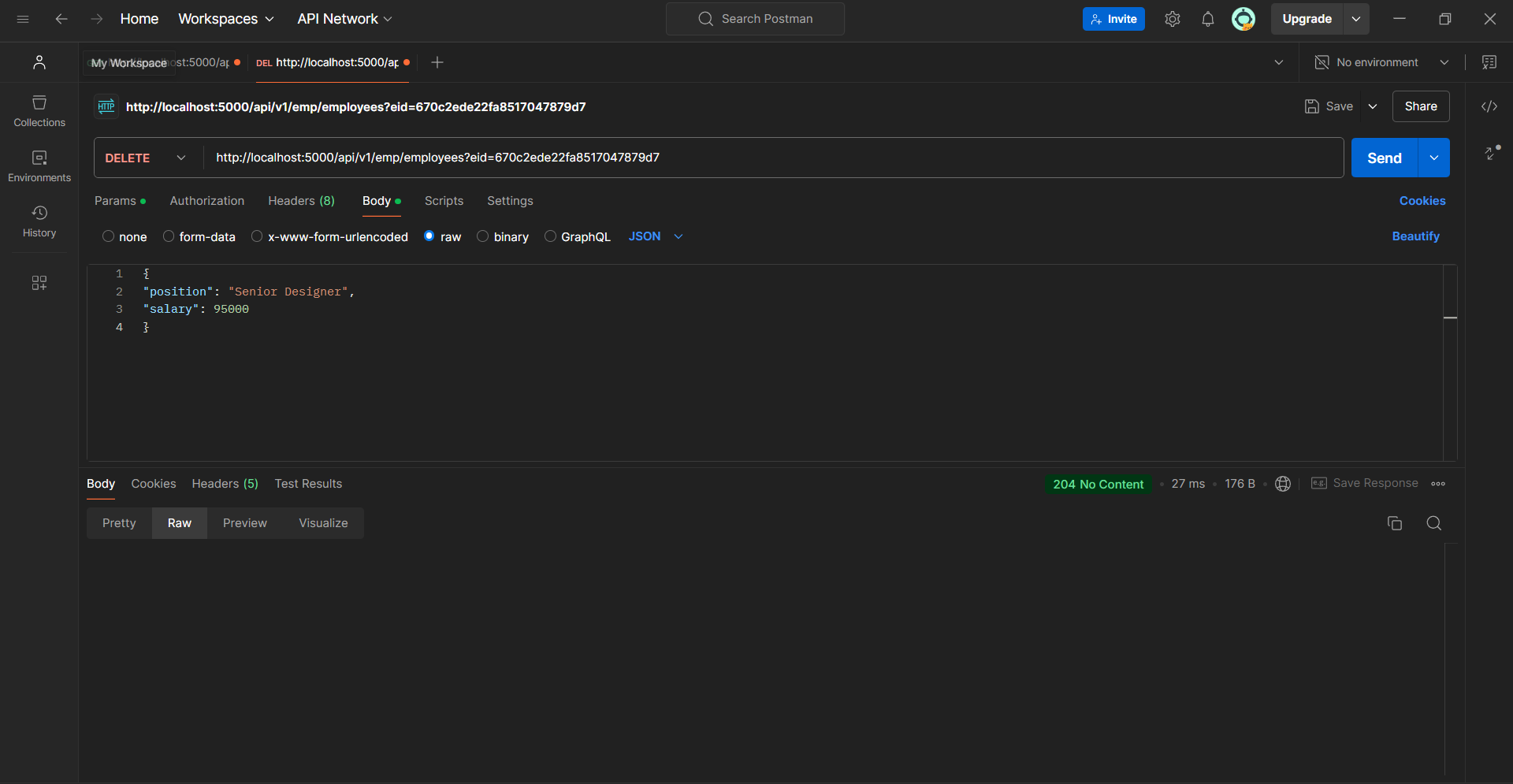
/api/v1/emp/employees?eid=64c9e5a3d9f3c1a5c9b4e8a4

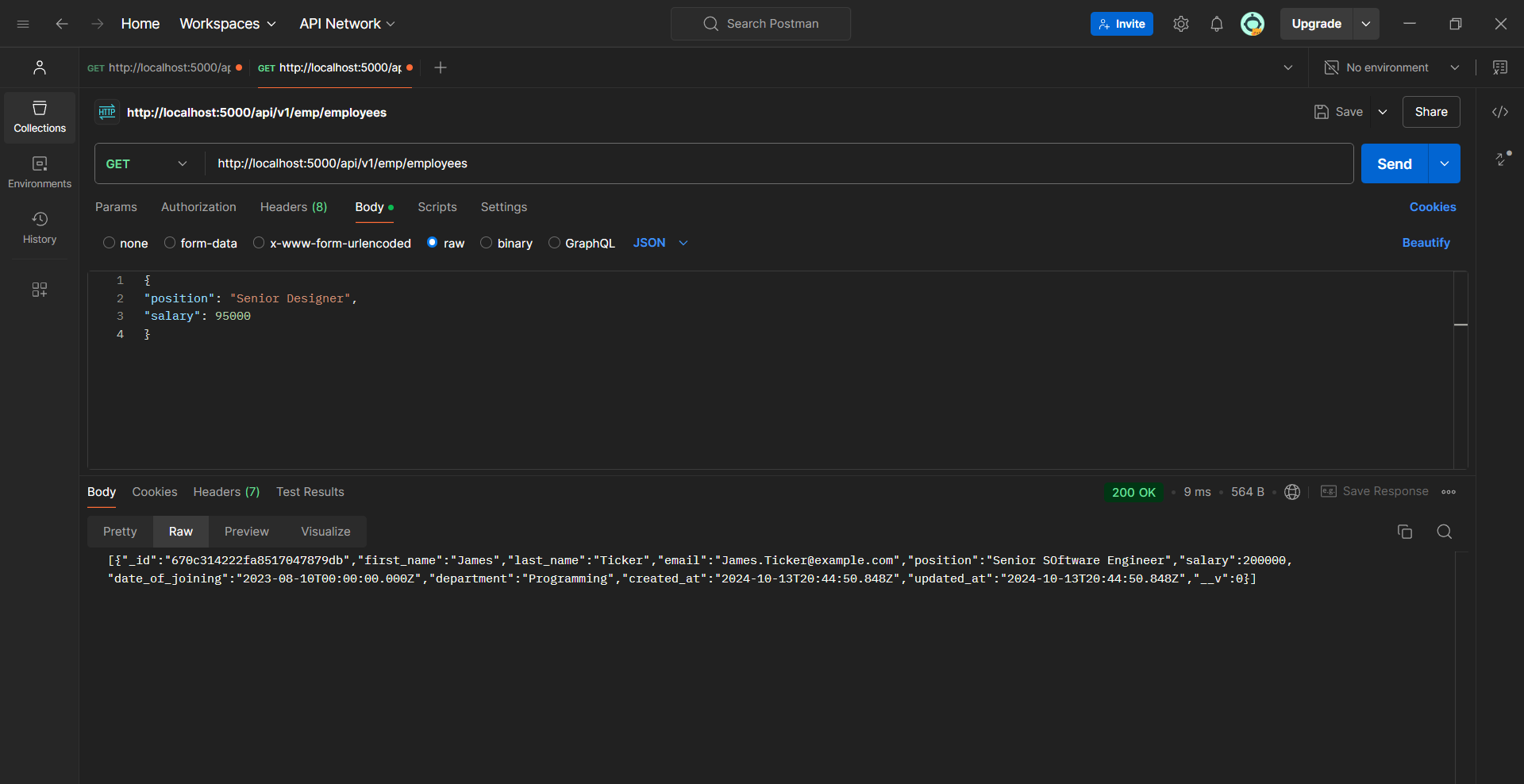
Input:

None, because it’s a delete request  
  
Output:  
{

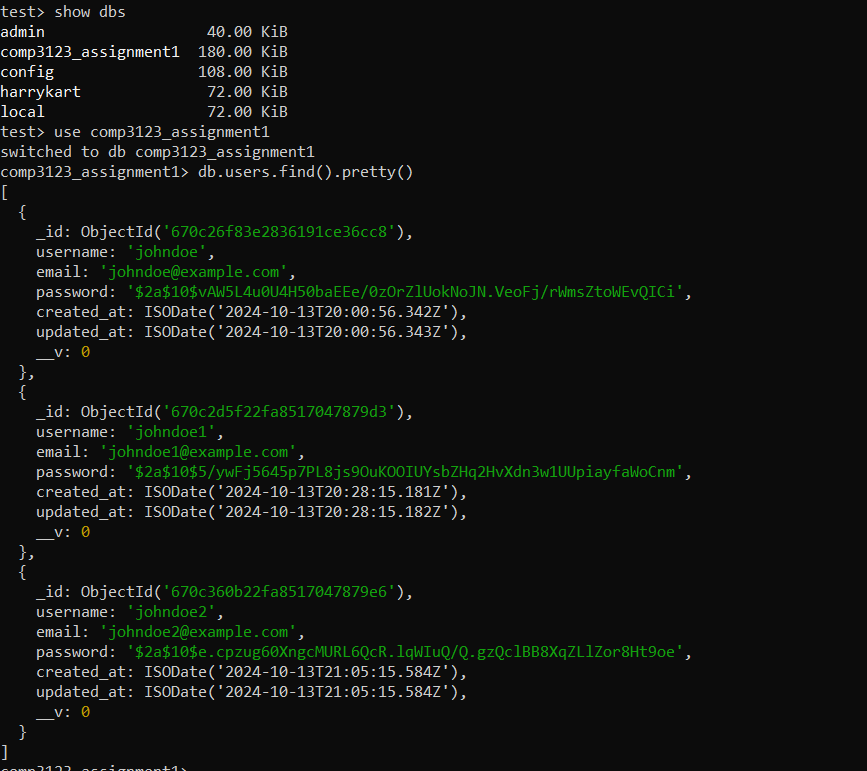
"message": "Employee deleted successfully."

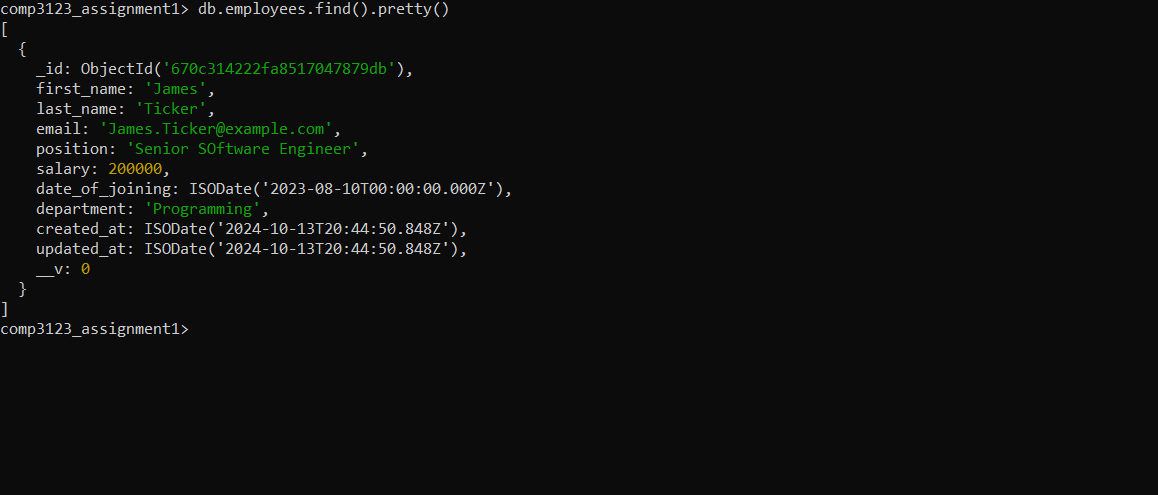
}



Getting all employee data shows that employee has been **deleted**:  


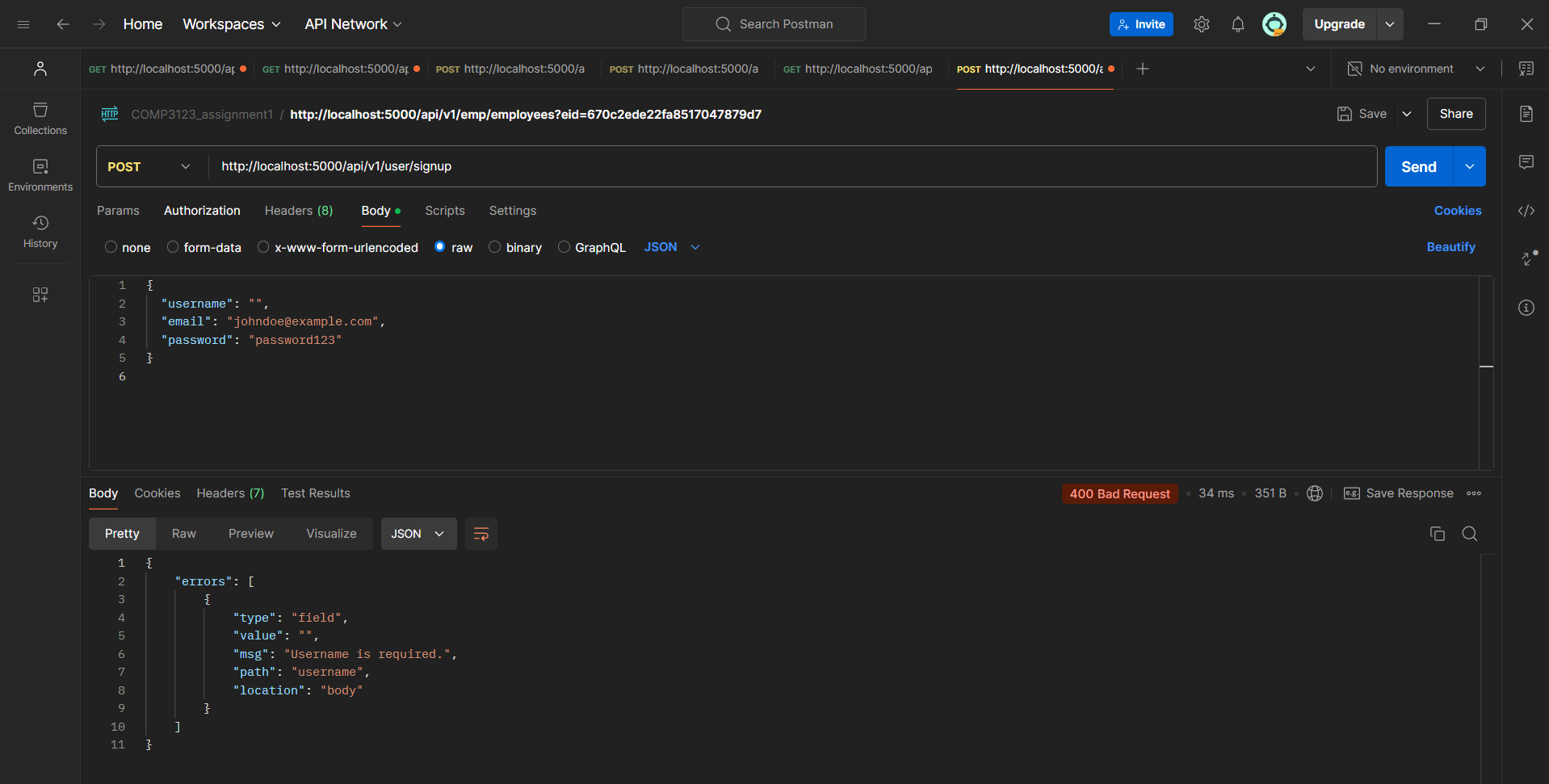
SHOWING COLLECTIONS IN MONGODB

ALL THE USERS IN THE DATABASE:  


ALL THE EMPLOYEES IN THE DATABASE:  


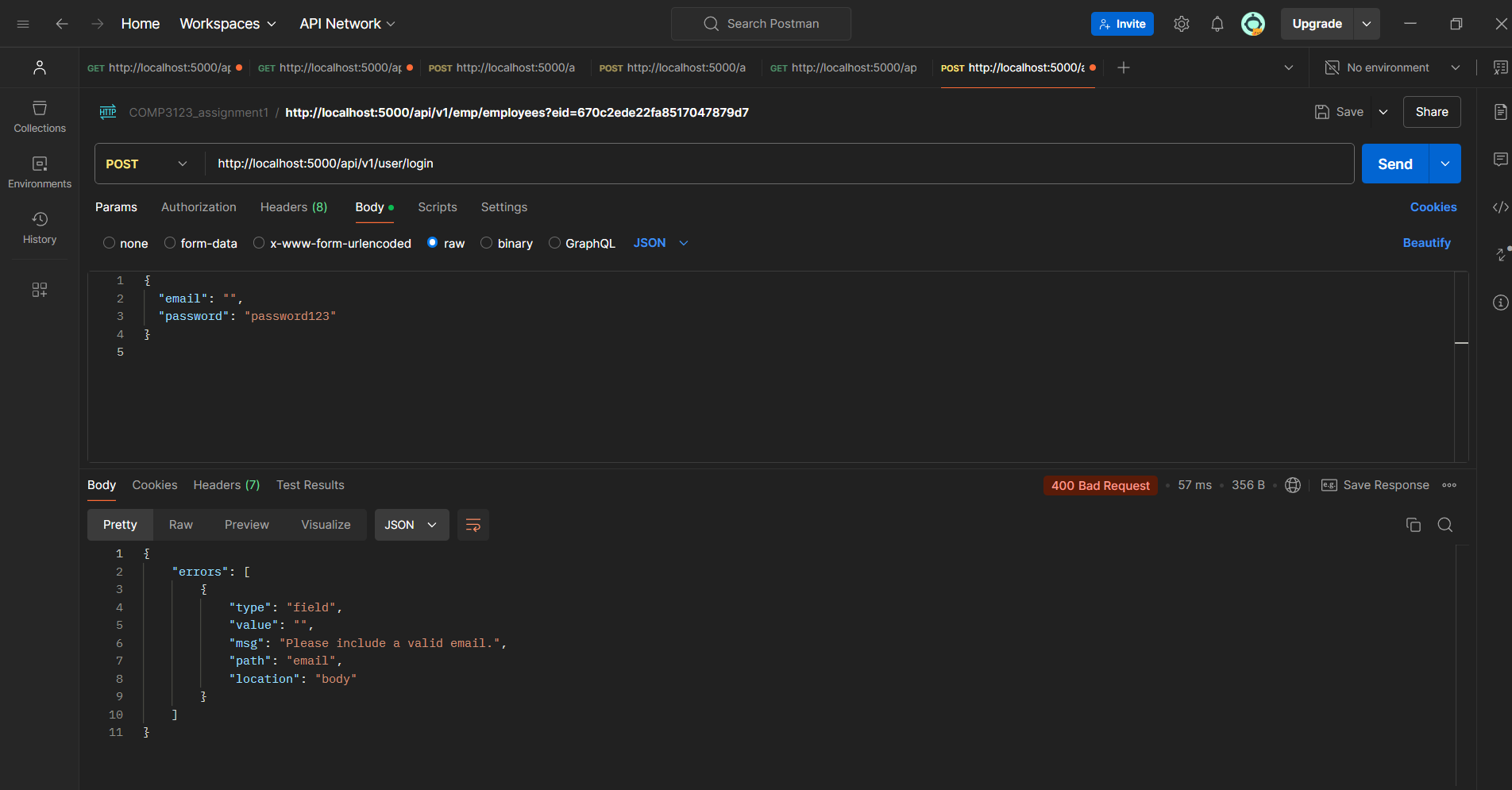
VALIDATIONS

1. Sending a incorrect input to  
   <http://localhost:5000/api/v1/user/signup>



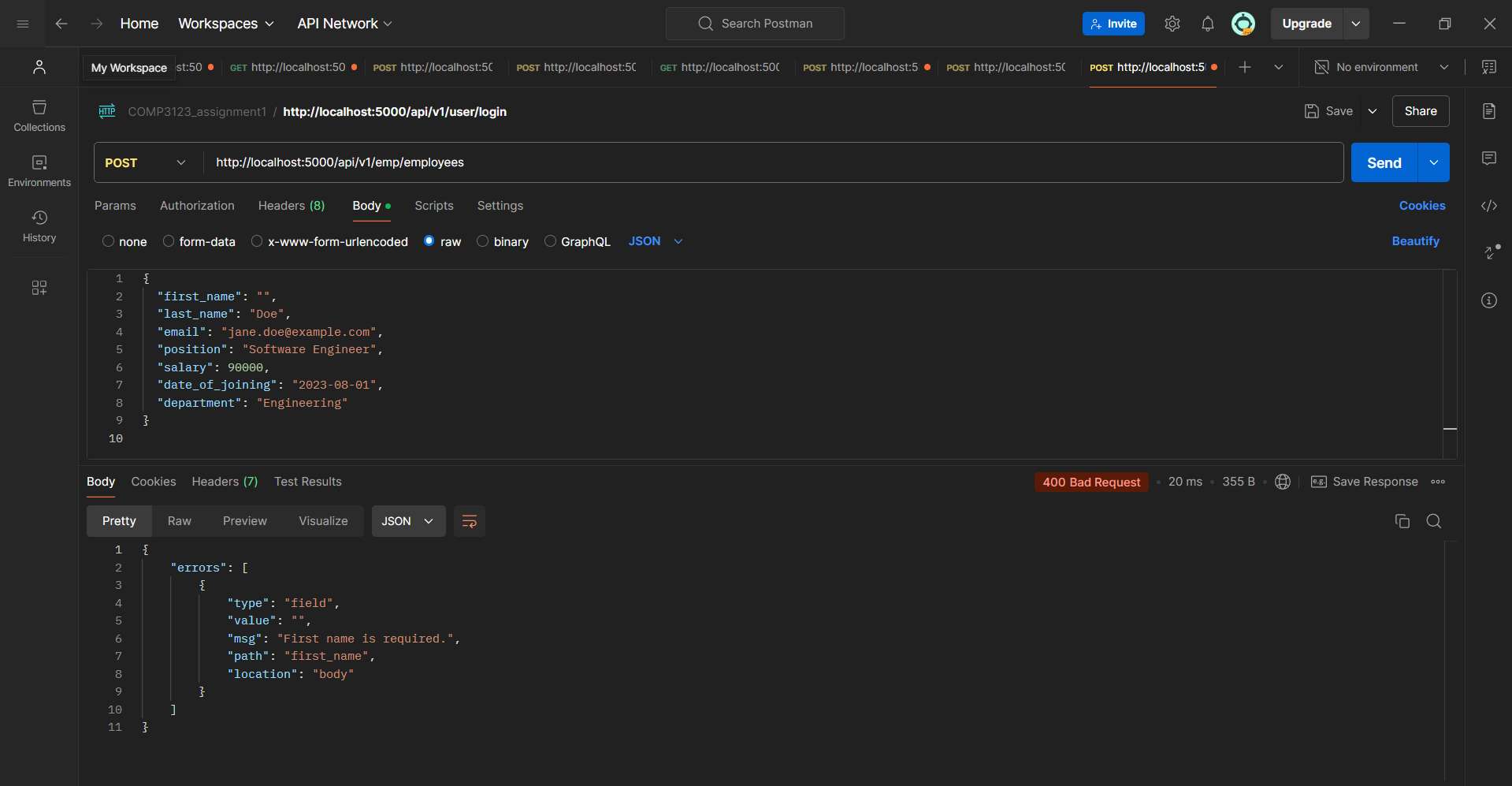
1. Sending incorrect request to

POST /api/v1/user/login

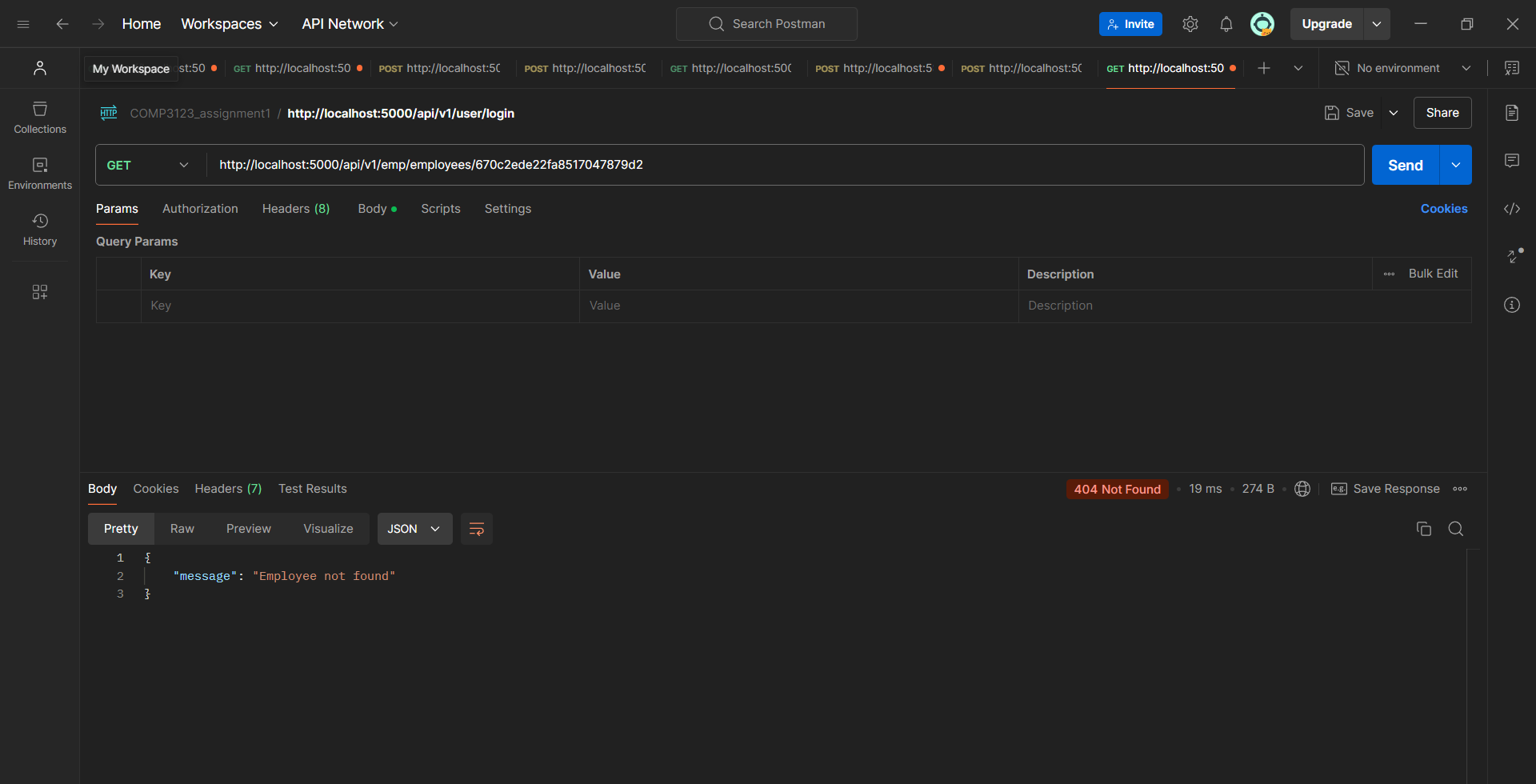


3.)

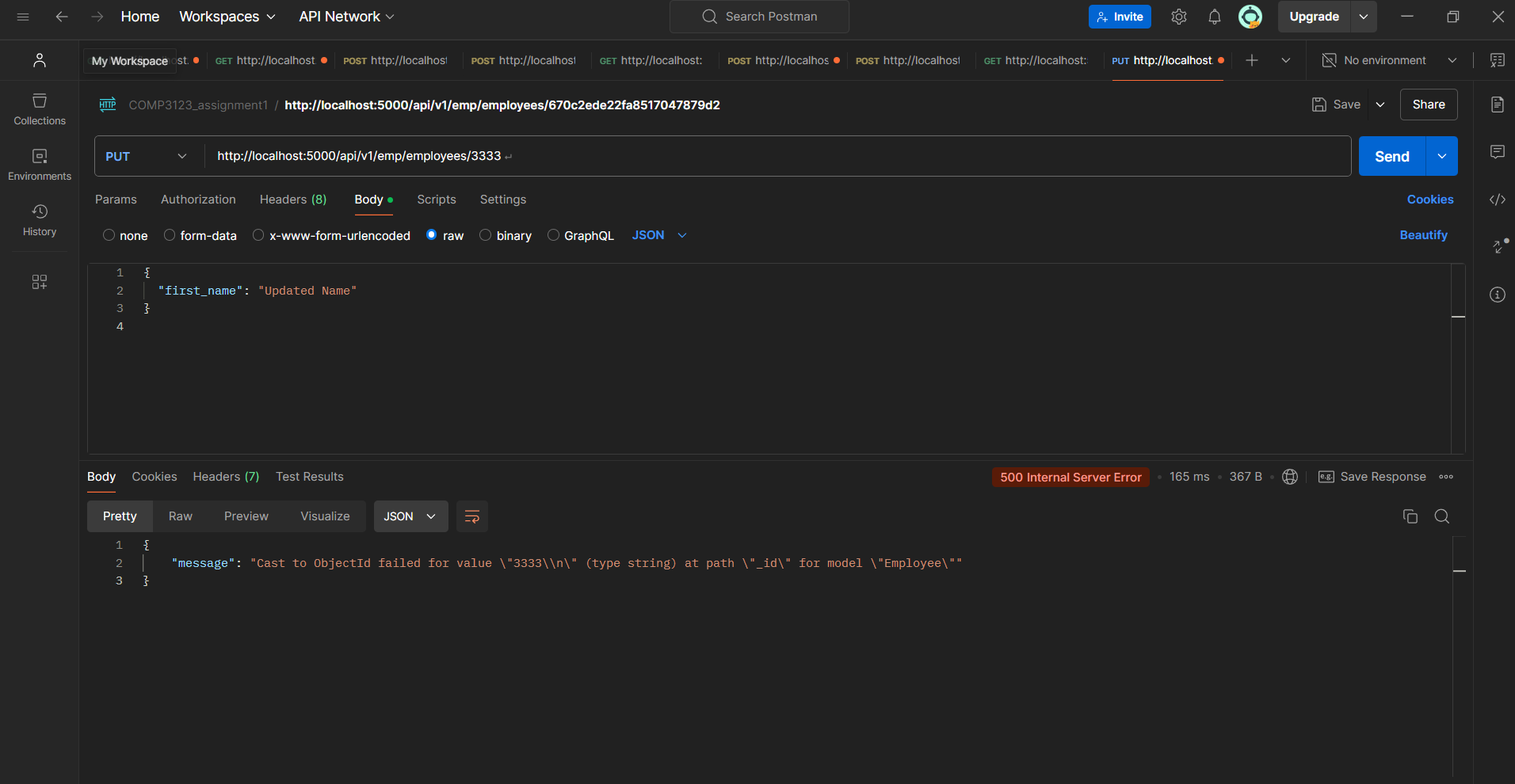
Sending incorrect request to :  
POST /api/v1/emp/employees



5.) Sending incorrect request to:  
GET /api/v1/emp/employees/invalid-id



6.) Sending incorrect request to :  
PUT /api/v1/emp/employees/{eid}



7.)

Sending incorrect response to:

DELETE

/api/v1/emp/employees?eid={eid}

