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| --- | --- |
| **Capstone Project** | **Student Name: Vijina P** |
| **API Testing for Contact List Application** | |

**Github repository**

The source code and this document has been uploaded to the following git repository;

|  |  |
| --- | --- |
| Url | [https://github.com/vijinabalakrishnan/Capstone\_Projects/tree/main/Contact\_List\_Application](https://github.com/vijinabalakrishnan/Capstone_Projects/tree/main/Human%20Resource%20Management/OrangeHRM_Automation_Test) |
| Branch | main |
| Access | Public |

**Test Case 1: Add New User**

Request Type: POST

Endpoint: <https://thinking-tester-contact-list.herokuapp.com/users>

Request Payload:

{

"firstName": "Test",

"lastName": "User123",

"email": "test\_email12@fake.com",

"password": "myPassword"

}

**Postman Chai Assertions**

pm.**test**("Status code is 201", **function** () {

 pm.response.to.have.status(201);

});

pm.**test**("Response is JSON", **function** () {

 pm.response.to.be.withBody;

 pm.response.to.be.json;

});

**Response**

{

    "user": {

        "\_id": "689b7123ca4d840015a9c7b2",

        "firstName": "Test",

        "lastName": "User123",

        "email": "test\_email12@fake.com",

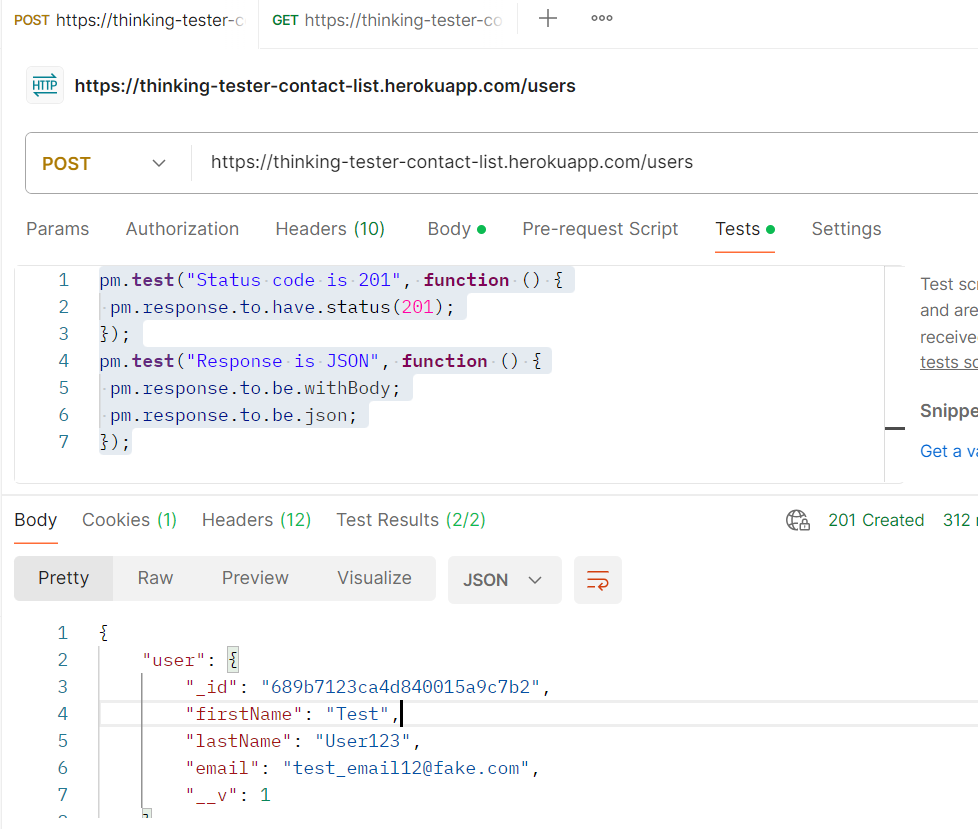
        "\_\_v": 1

    },

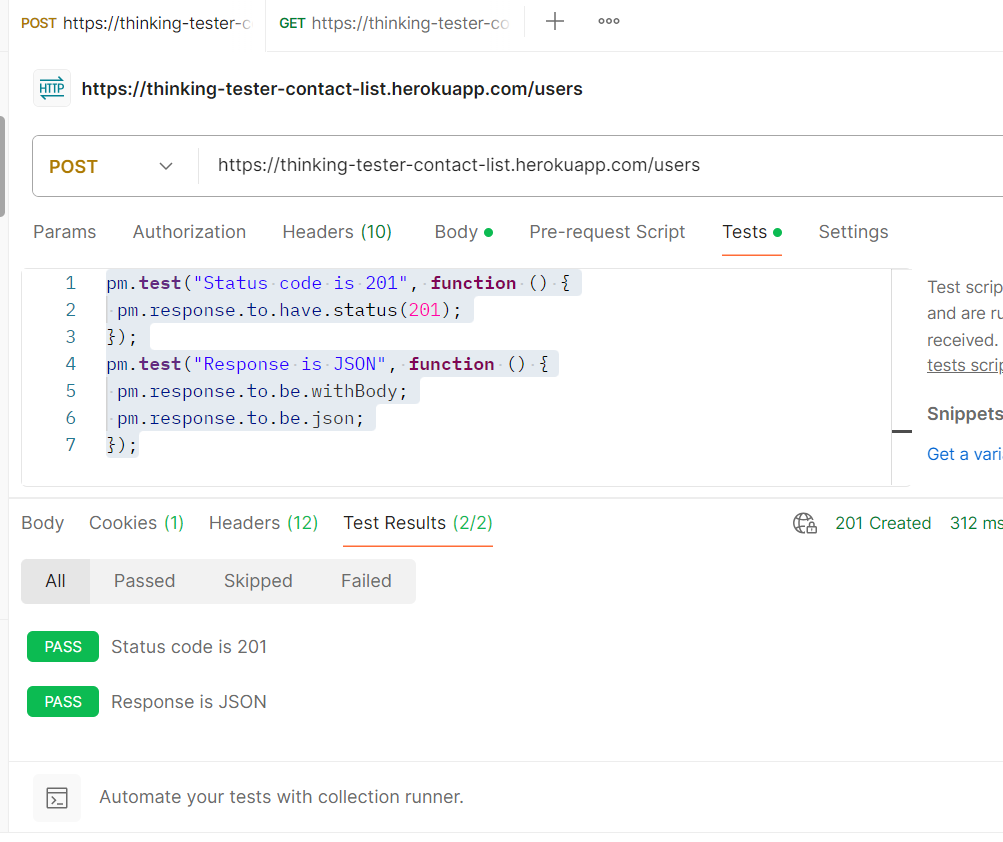
    "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJfaWQiOiI2ODliNzEyM2NhNGQ4NDAwMTVhOWM3YjIiLCJpYXQiOjE3NTUwMTc1MDd9.QS68bNqQpuc7Q0f1g4Ic\_LDFigtpPBTx0cBcgJYr6hc"

}

**Response Screenshot**



**Test Results Screenshot**



**Test Case 2:**

Get user Profile

Request Type: GET

Endpoint: <https://thinking-tester-contact-list.herokuapp.com/users/me>

Headers: Authorization Bearer {{token}}

Response Validation: Test for status code and message 200 OK

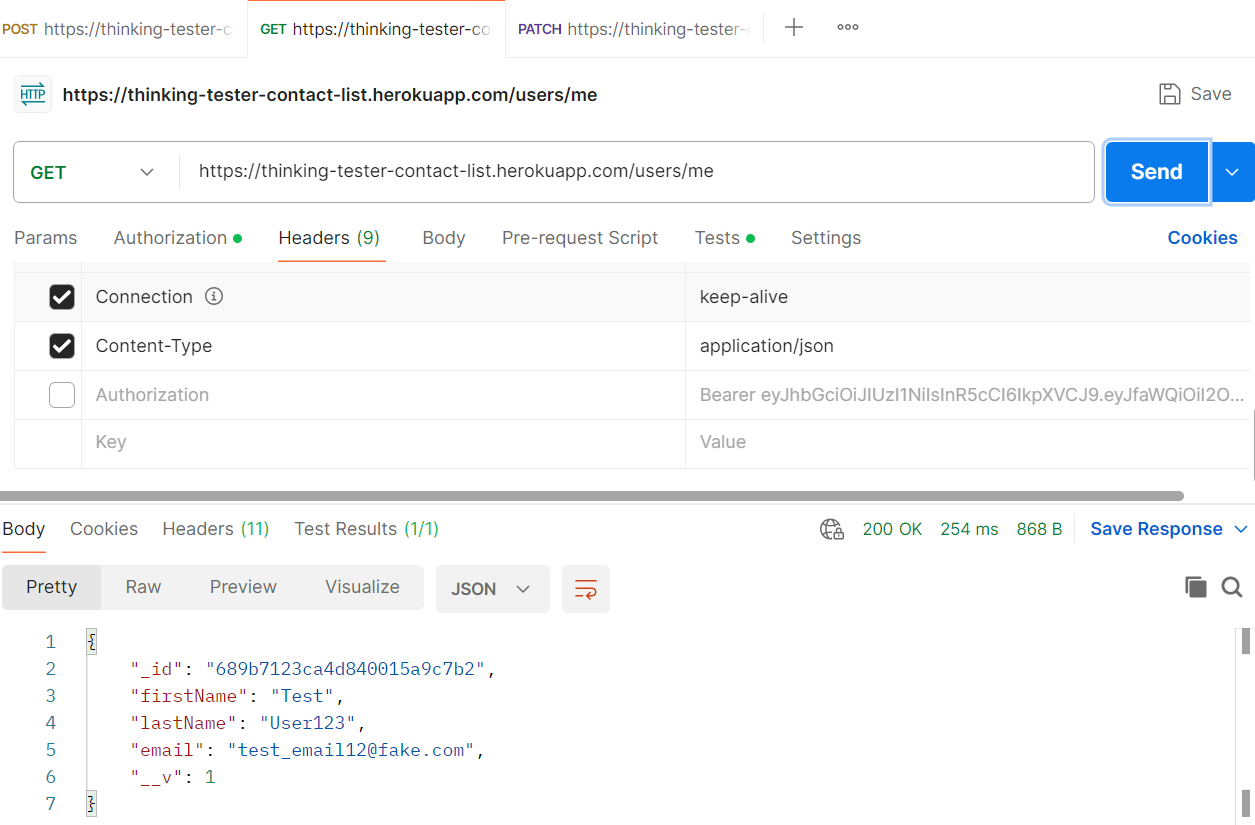
**Postman Chai Assertions**

pm.**test**("Status code is 200", **function** () {

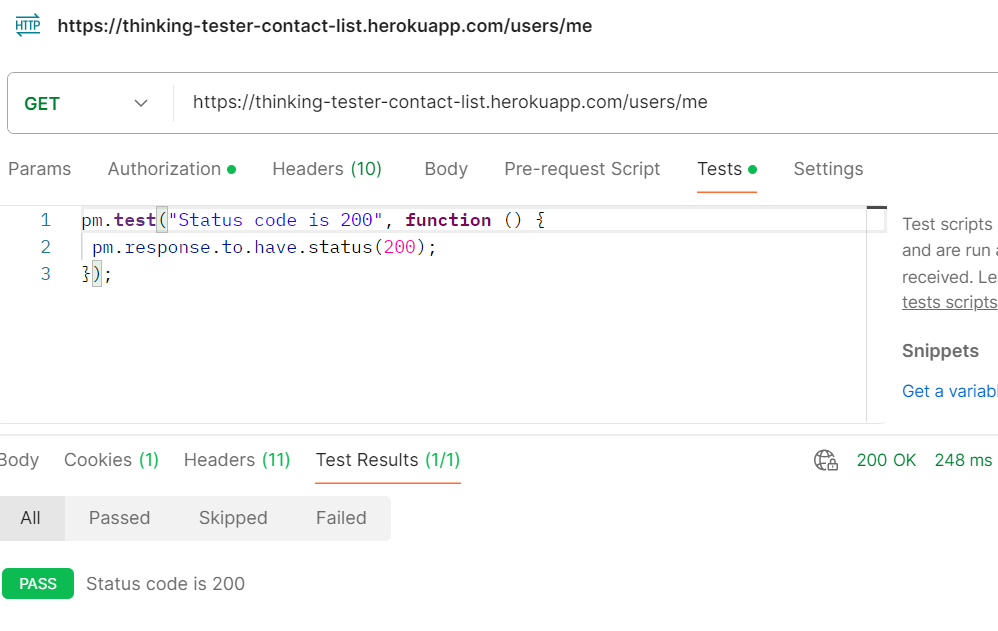
 pm.response.to.have.status(200);

});

**Response screenshot**



**Test Results**



**Test Case 3:**

Update User

Request Type: PATCH

Endpoint: <https://thinking-tester-contact-list.herokuapp.com/users/me>

Headers: Authorization Bearer {{token}}

Request Payload:

{

"firstN ame": "Updated",

"lastName": "Username",

"email": "test\_email12@fake.com",

"password": "myNewPassword"

}

Validate for status code and message 200 OK

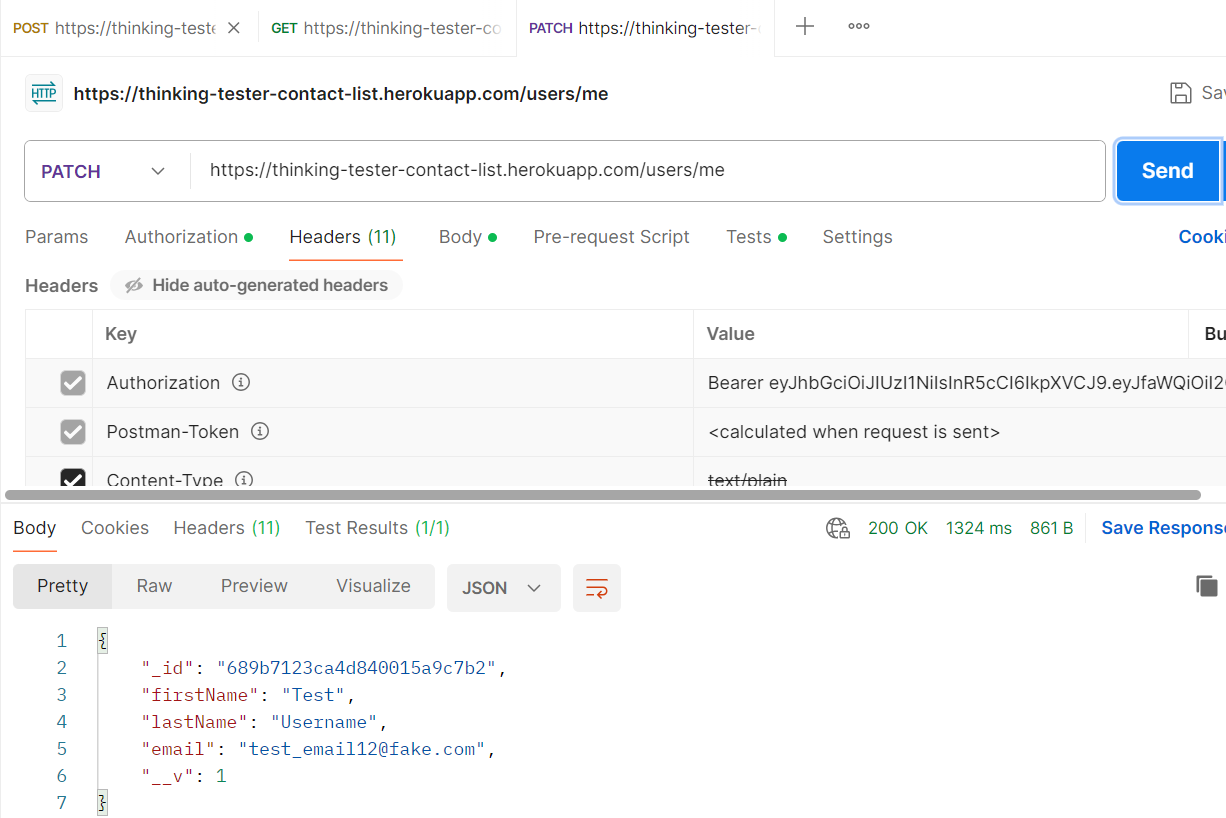
**Postman Chai Assertions**

pm.**test**("Status code is 200", **function** () {

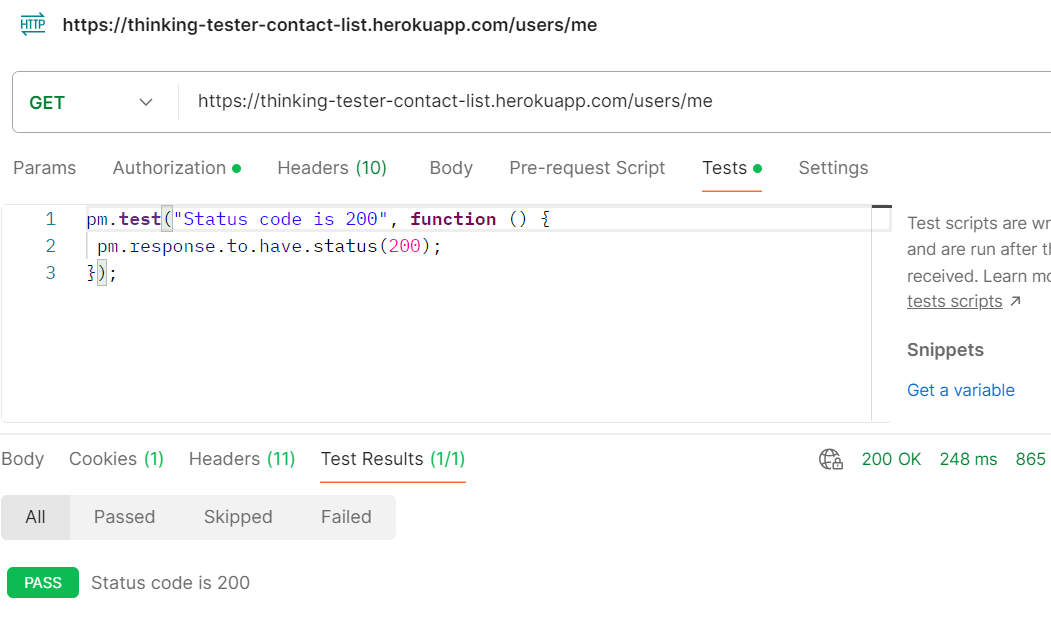
 pm.response.to.have.status(200);

});

Response:



**Test Result**



**Test Case 4:**

Log In User

Request Type: POST

Endpoint: <https://thinking-tester-contact-list.herokuapp.com/users/login>

Request Payload:

{ "email": "test\_email12@fake.com", "password": "myNewPassword" }

Test it in Postman and Get the Token and validate for status code 200 OK

**Postman Chai Assertions**

pm.**test**("Status code is 200", **function** () {

 pm.response.to.have.status(200);

});

**Response**:

{

    "user": {

        "\_id": "689b7123ca4d840015a9c7b2",

        "firstName": "Test",

        "lastName": "Username",

        "email": "test\_email12@fake.com",

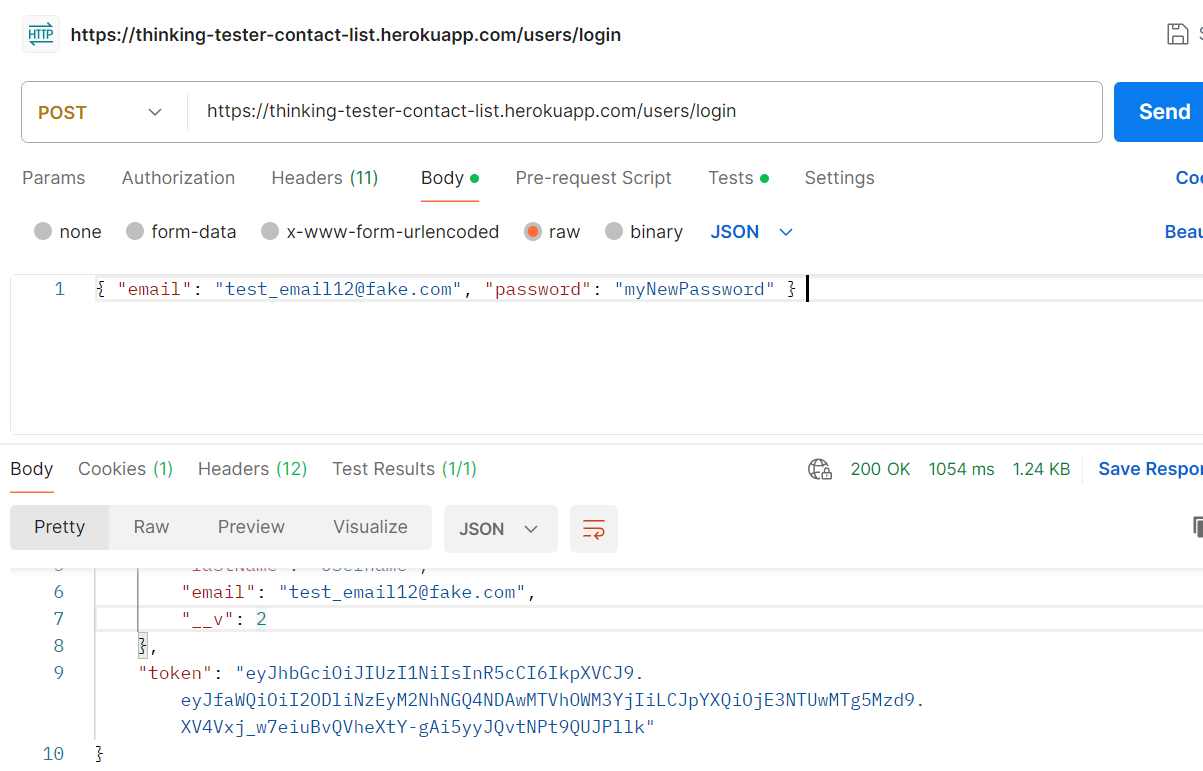
        "\_\_v": 2

    },

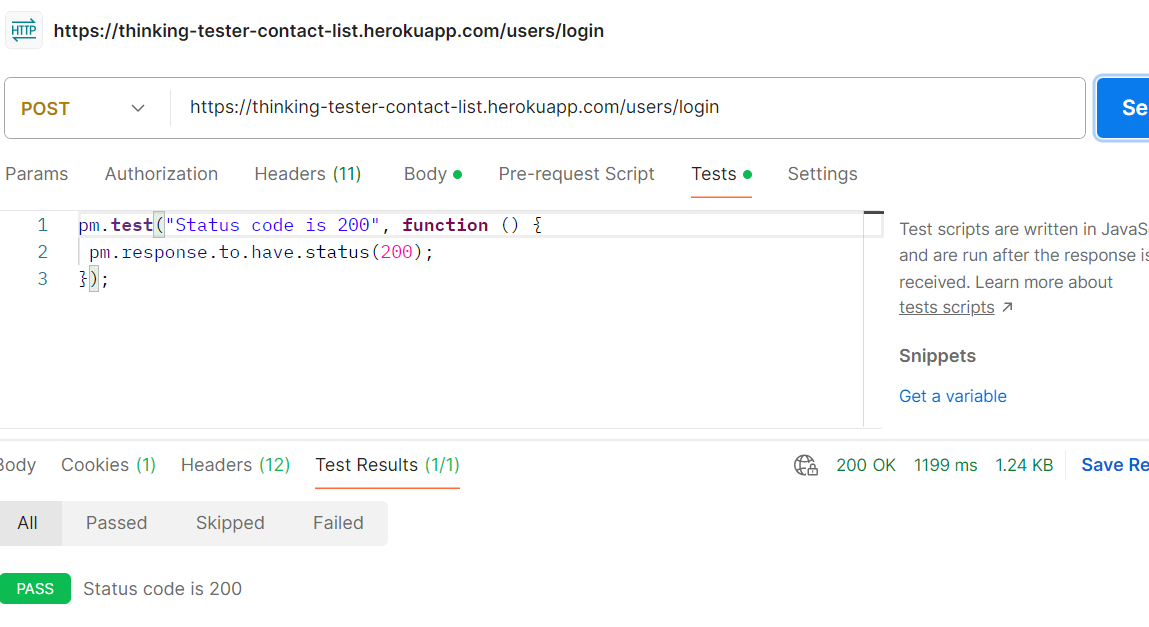
    "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJfaWQiOiI2ODliNzEyM2NhNGQ4NDAwMTVhOWM3YjIiLCJpYXQiOjE3NTUwMTg5Mzd9.XV4Vxj\_w7eiuBvQVheXtY-gAi5yyJQvtNPt9QUJPllk"

}

**Screenshot**



**Test Result**



**Test Case 5:**

Add Contact

Request Type: POST

Endpoint: <https://thinking-tester-contact-list.herokuapp.com/contacts>

Headers: Authorization Bearer {{token}}

Request Payload: { "firstName": "John", "lastName": "Doe", "birthdate": "1970-01-01", "email": "jdoe@fake.com", "phone": "8005555555", "street1": "1 Main St.", "street2": "Apartment A", "city": "Anytown", "stateProvince": "KS", "postalCode": "12345", "country": "USA" }

Validate for 201 Created

**Postman Chai Assertions**

pm.**test**("Status code is 201", **function** () {

 pm.response.to.have.status(201);

});

**Response:**

{

    "\_id": "689b77e014f67c0015f5caf6",

    "firstName": "John",

    "lastName": "Doe",

    "birthdate": "1970-01-01",

    "email": "jdoe@fake.com",

    "phone": "8005555555",

    "street1": "1 Main St.",

    "street2": "Apartment A",

    "city": "Anytown",

    "stateProvince": "KS",

    "postalCode": "12345",

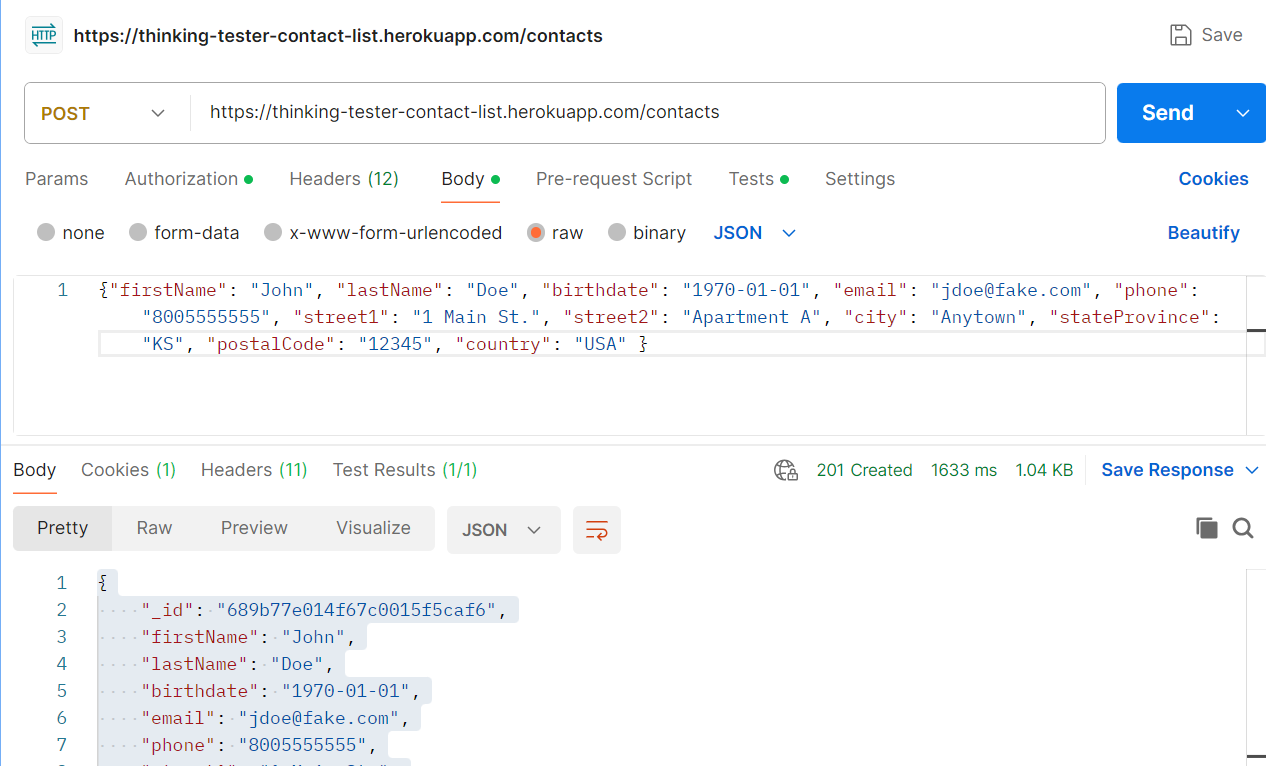
    "country": "USA",

    "owner": "689b7123ca4d840015a9c7b2",

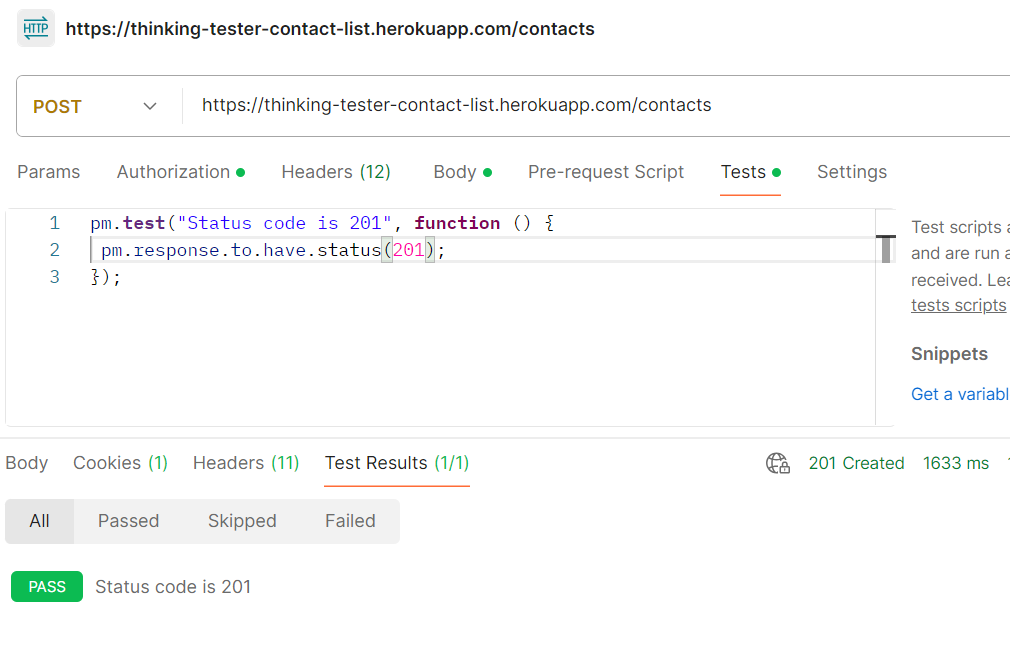
    "\_\_v": 0

}

**Screenshot**



**Test Results**



**Test Case 6:**

Get Contact List

Request Type: GET

Endpoint: <https://thinking-tester-contact-list.herokuapp.com/contacts>

Headers: Authorization Bearer {{token}}

Validate for 200 OK

**Postman Chai Assertions**

pm.**test**("Status code is 200", **function** () {

 pm.response.to.have.status(200);

});

**Response**

[

{

"\_id": "689b77e014f67c0015f5caf6",

"firstName": "John",

"lastName": "Doe",

"birthdate": "1970-01-01",

"email": "jdoe@fake.com",

"phone": "8005555555",

"street1": "1 Main St.",

"street2": "Apartment A",

"city": "Anytown",

"stateProvince": "KS",

"postalCode": "12345",

"country": "USA",

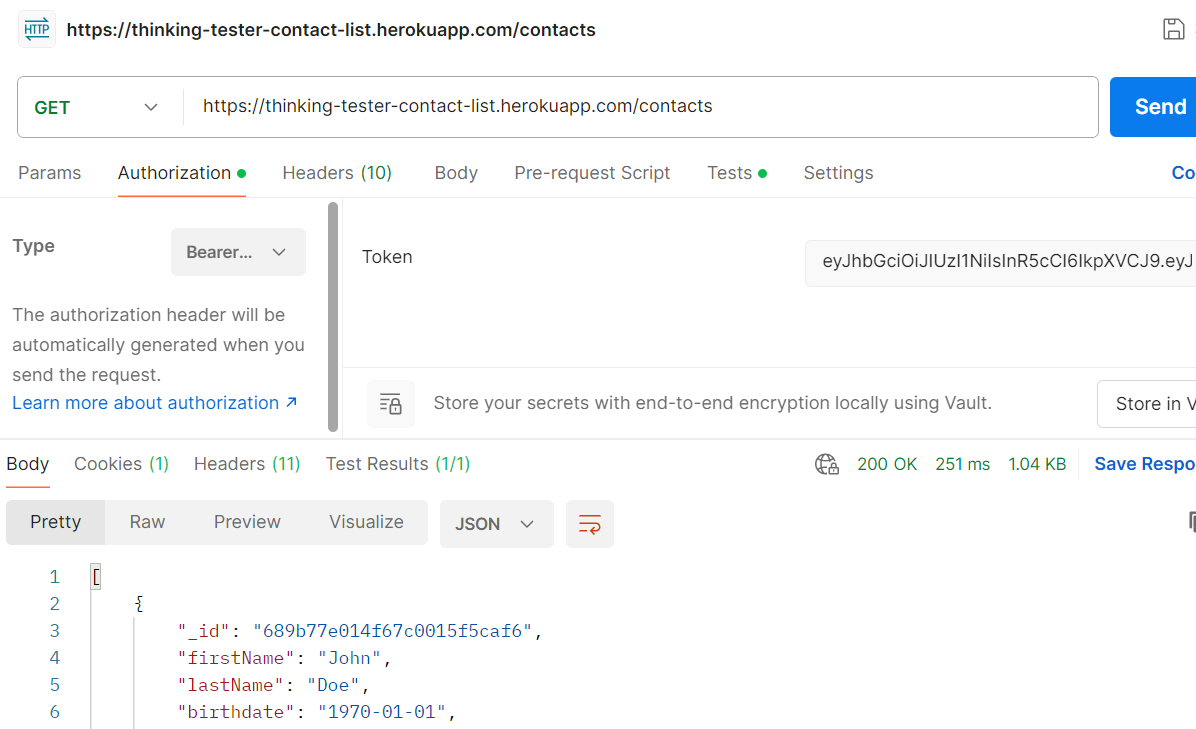
"owner": "689b7123ca4d840015a9c7b2",

"\_\_v": 0

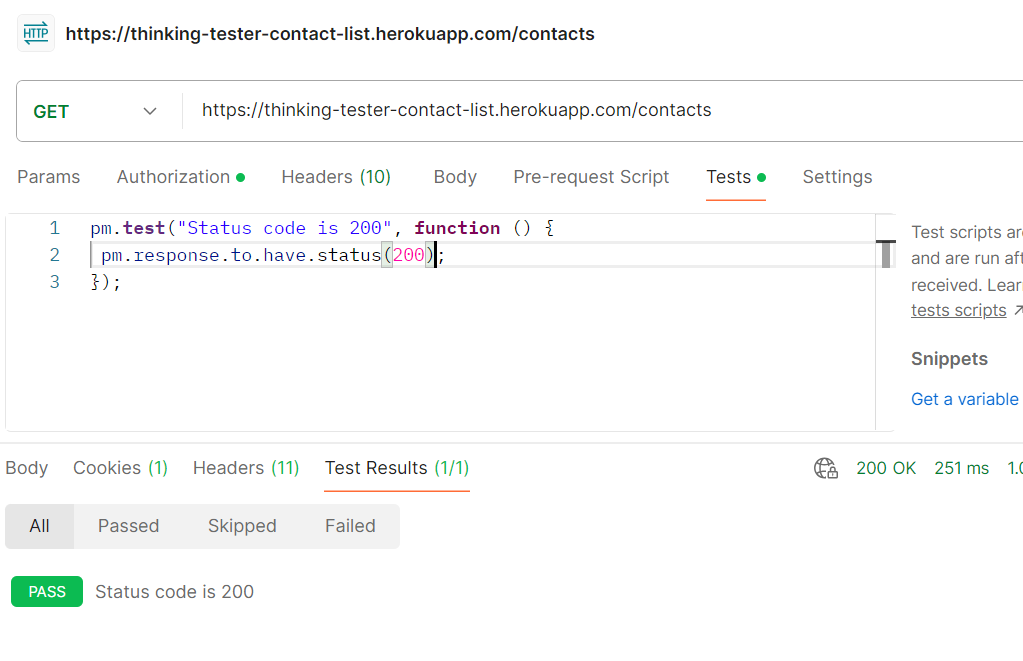
}

]

**Screenshot**



**Test Result**



**Test Case 7:**

**Get Contact**

Request Type: GET

Endpoint: https://thinking-tester-contact-list.herokuapp.com/contacts/689b77e014f67c0015f5caf6

Headers Authorization Bearer {{token}}

Validate for 200 OK

**Postman Chai Assertions**

pm.**test**("Status code is 200", **function** () {

 pm.response.to.have.status(200);

});

**Response**

{

    "\_id": "689b77e014f67c0015f5caf6",

    "firstName": "John",

    "lastName": "Doe",

    "birthdate": "1970-01-01",

    "email": "jdoe@fake.com",

    "phone": "8005555555",

    "street1": "1 Main St.",

    "street2": "Apartment A",

    "city": "Anytown",

    "stateProvince": "KS",

    "postalCode": "12345",

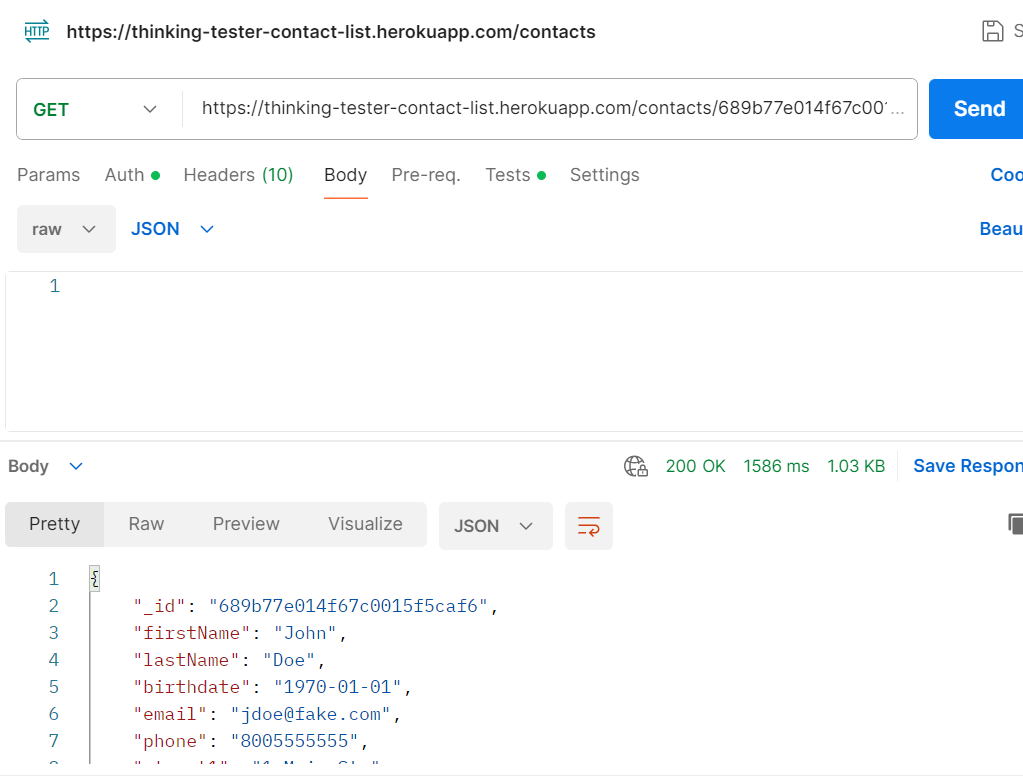
    "country": "USA",

    "owner": "689b7123ca4d840015a9c7b2",

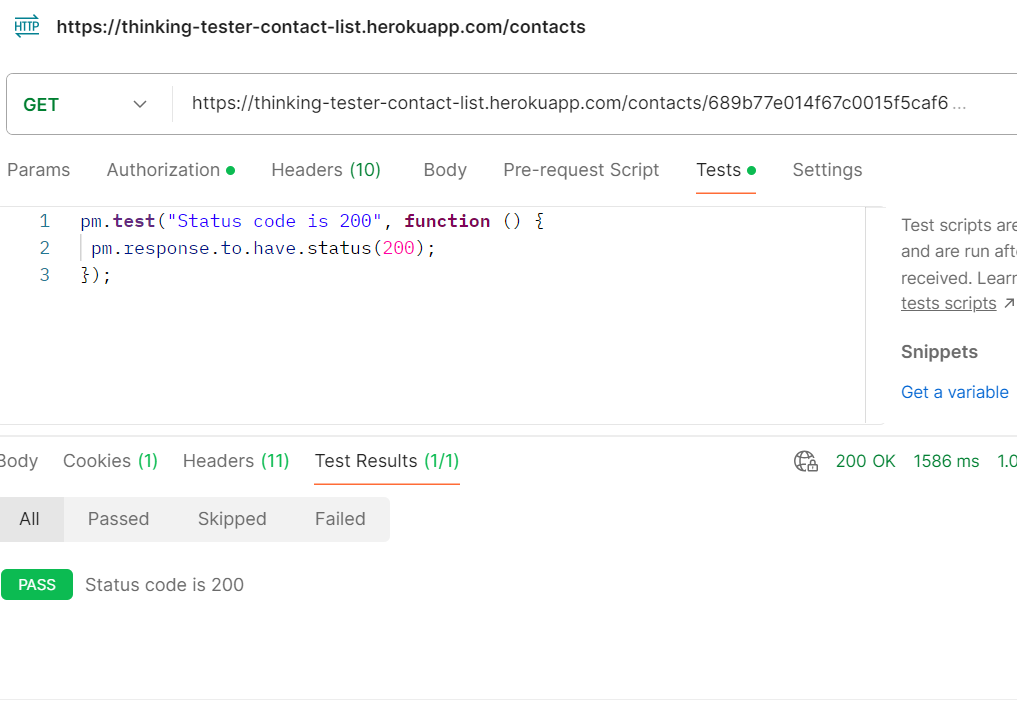
    "\_\_v": 0

}

**SCreenshot**



**Test Result**



**Test Case 8:**

**Update Contact**

Request Type: PUT

End Point: https://thinking-tester-contact-list.herokuapp.com/contacts/

Headers Authorization Bearer {{token}}

Request Payload: { "firstName": "Amy", "lastName": "Miller", "birthdate": "1992-02-02", "email": "amiller@fake.com", "phone": "8005554242", "street1": "13 School St.", "street2": "Apt. 5", "city": "Washington", "stateProvince": "QC", "postalCode": "A1A1A1", "country": "Canada" }

Validate for Email and 200 OK

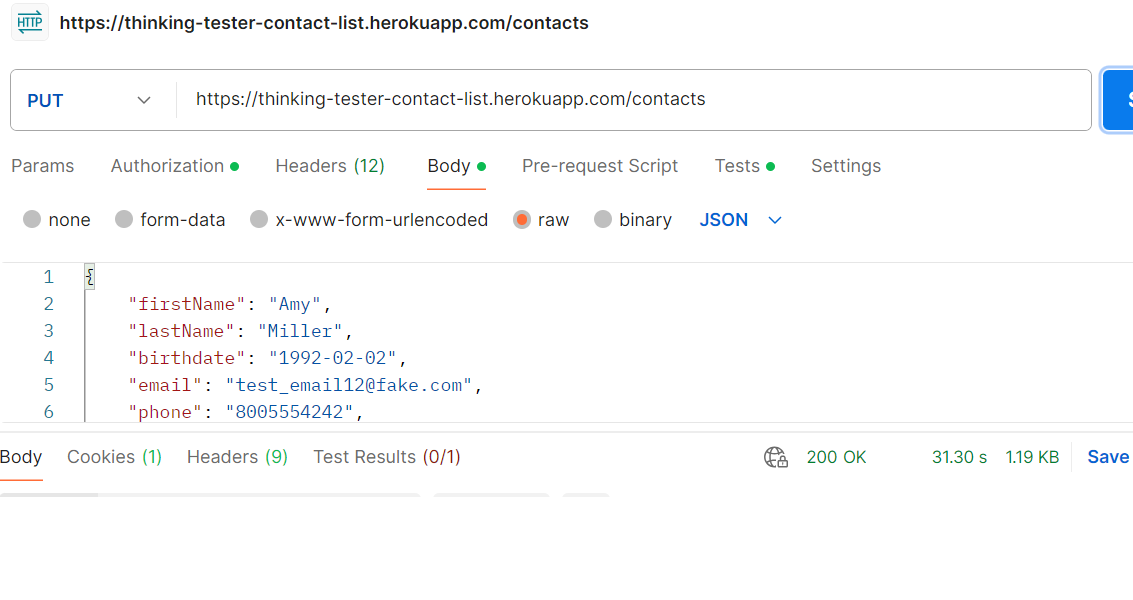
**Postman Chai Assertions**

pm.**test**("Status code is 200", **function** () {

 pm.response.to.have.status(200);

});

**Response Screenshot**

****

**Test Result**

****

**Test Case 9:**

Update Contact

Request Type: PATCH

Endpoint: <https://thinking-tester-contact-list.herokuapp.com/contacts/>

Headers Authorization Bearer {{token}}

Request Payload: { "firstName": "Anna" }

Validate for first name and 200 OK

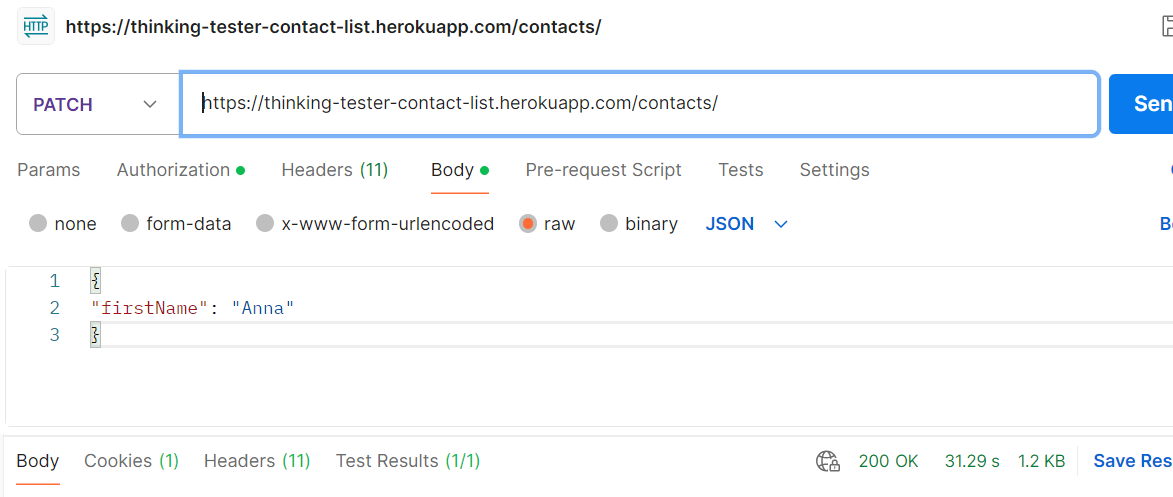
**Postman Chai Assertions**

pm.**test**("Status code is 200", **function** () {

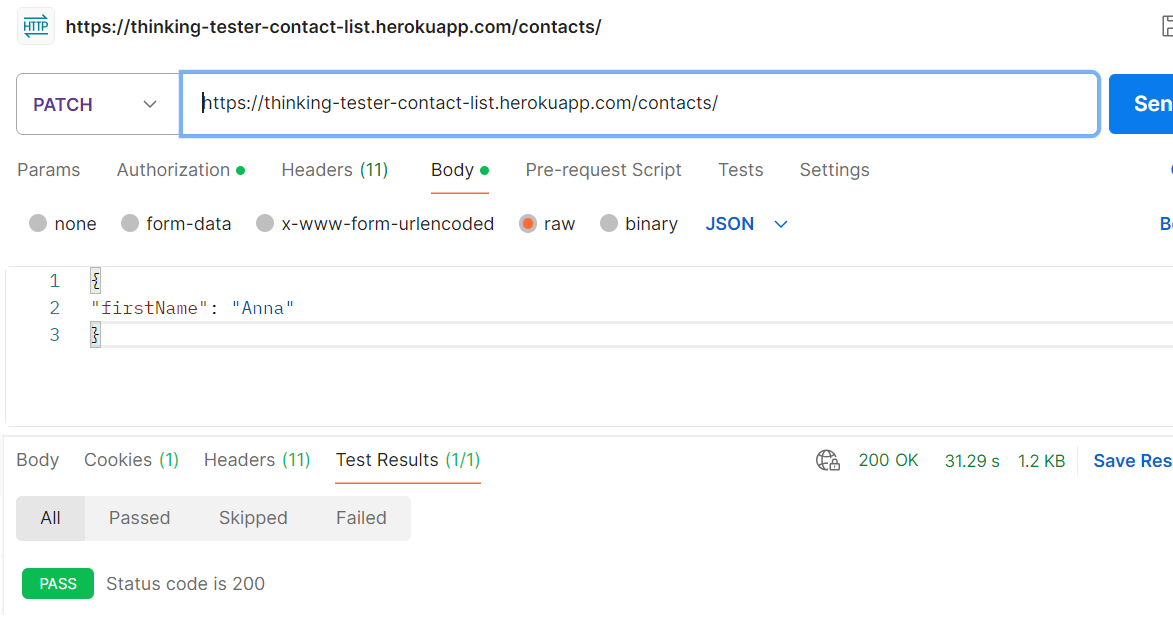
 pm.response.to.have.status(200);

});

**Response screenshot**

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**Test Screenshot**

****

**Test Case 10:**

**Logout User**

Request Type: POST

Endpoint: <https://thinking-tester-contact-list.herokuapp.com/users/logout>

Headers Authorization Bearer {{token}}

Validate for 200 OK

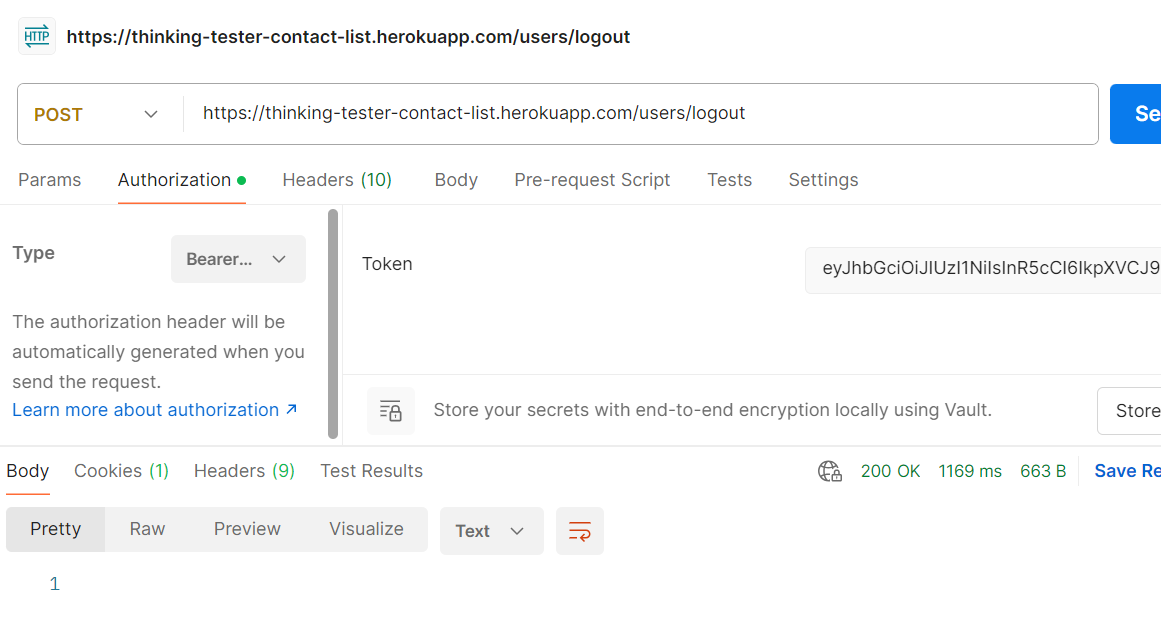
**Postman Chai Assertions**

pm.**test**("Status code is 200", **function** () {

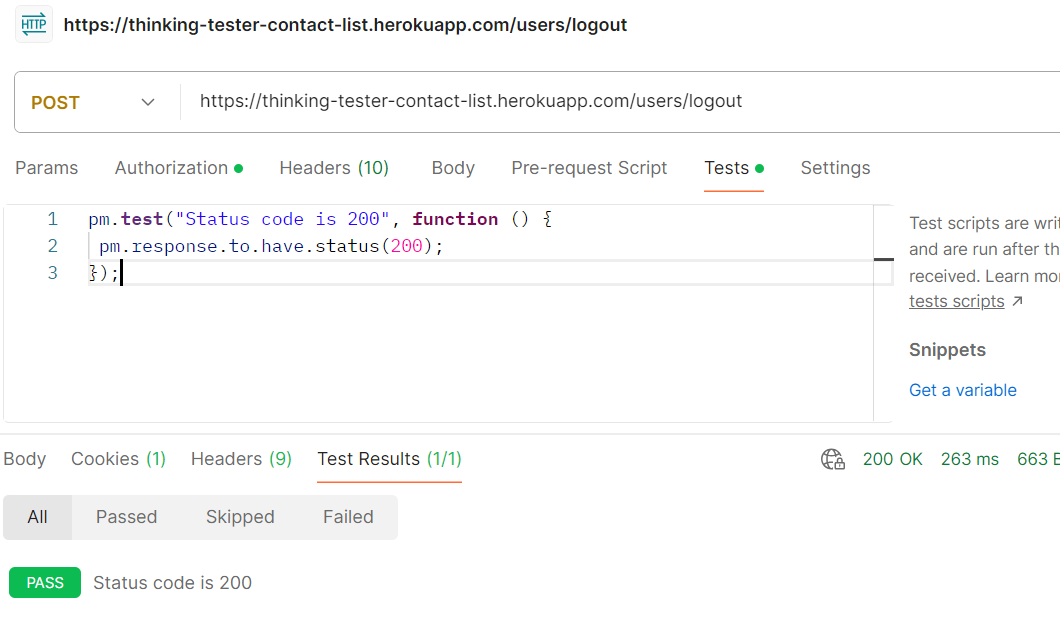
 pm.response.to.have.status(200);

});

**Response screenshot**



**Test Result**



**RestAssured test cases**

Checked into the below github repository(Same as above)

|  |  |
| --- | --- |
| Url | [https://github.com/vijinabalakrishnan/Capstone\_Projects/tree/main/Contact\_List\_Application](https://github.com/vijinabalakrishnan/Capstone_Projects/tree/main/Human%20Resource%20Management/OrangeHRM_Automation_Test) |
| Branch | main |
| Access | Public |