## Question 08:

Create a collection in Postman and create positive and negative cases for below API. And use get method to get valid responses.

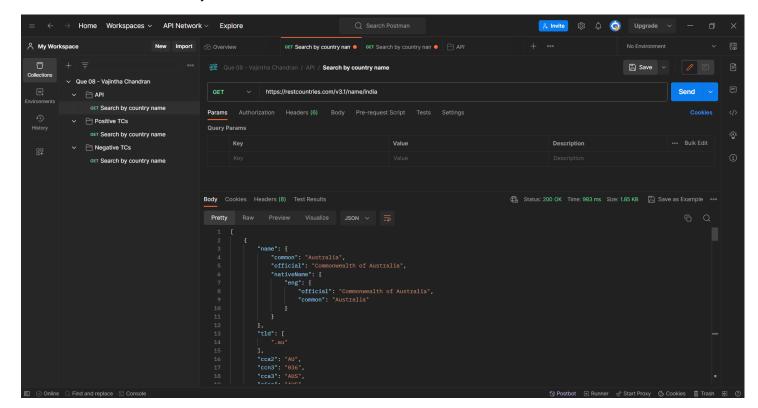
Verify the HTTP Status Codes, while running Positive and Negative Test Cases.

To validate the HTTP Status Codes and responses use Assertions concept in PostMan https://restcountries.com/v3.1/name/India

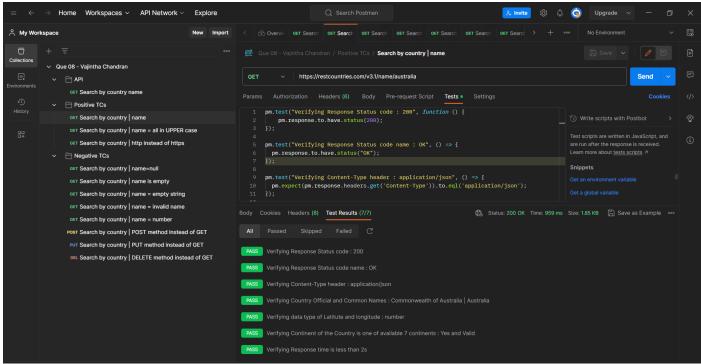
Note: Please inform to us if this API is not working as it's an open source API. We will update it accordingly

## API Request:

Collection Name: "Que 08 - Vajintha Chandran"



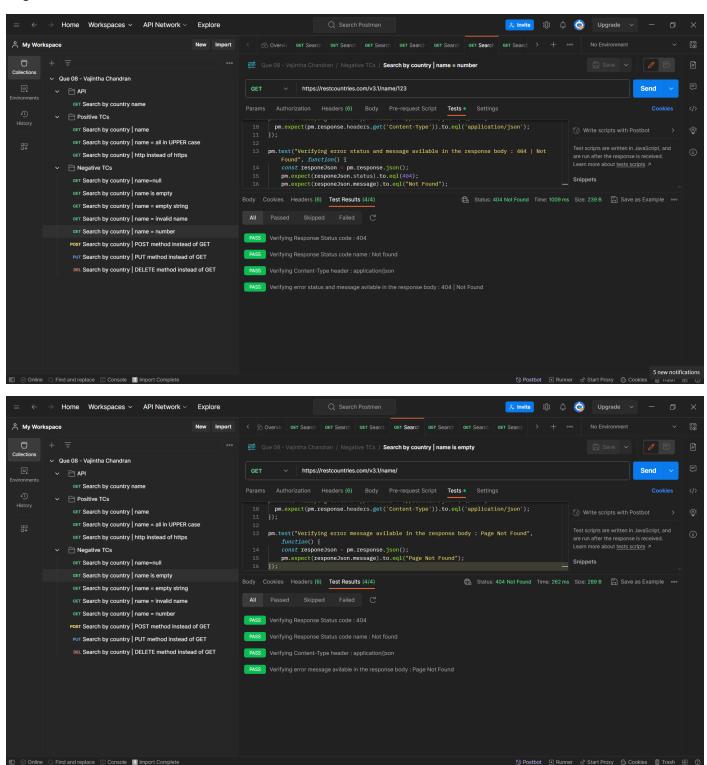
#### Positive Testcases:

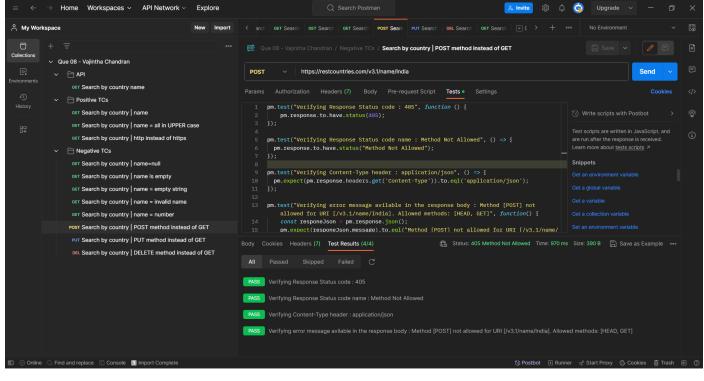


```
pm.test("Verifying Response Status code : 200", function () {
          pm.response.to.have.status(200);
pm.test("Verifying Response Status code name : OK", () => {
   pm.response.to.have.status("OK");
pm.test("Verifying Content-Type header : application/json", () => {
pm.expect(pm.response.headers.get('Content-Type')).to.eql('application/json');
pm.test("Verifying Country Official and Common Names : Commonwealth of Australia | Australia", function() {
          const responeJson = pm.response.json();
          pm.expect(responeJson[0].name.official).to.eql("Commonwealth of Australia");
          pm.expect(responeJson[0].name.common).to.eql("Australia");
pm.test("Verifying data type of Latitute and longitude : number", function() {
          const responeJson = pm.response.json();
          pm.expect(responeJson[0].latlng).to.be.a("array");
          pm.expect(responeJson[0].latlng[0]).to.be.a("number");
          pm.expect(responeJson[0].latlng[1]).to.be.a("number");
pm.test("Verifying Continent of the Country is one of available 7 continents : Yes and Valid", function() {
          const responeJson = pm.response.json();
          pm. expect (responeJson [0]. continents [0]). to.be. one Of (["Asia", "Africa", "North America", "South Am
                    America", "Antarctica", "Europe", "Oceania"]);
pm.test("Verifying Response time is less than 2s", () => {
    pm.expect(pm.response.responseTime).to.be.below(2000);
```

Note: since country "India" contains some wrong values in the response, used "Australia" for positive testcases.

# **Negative Testcases:**





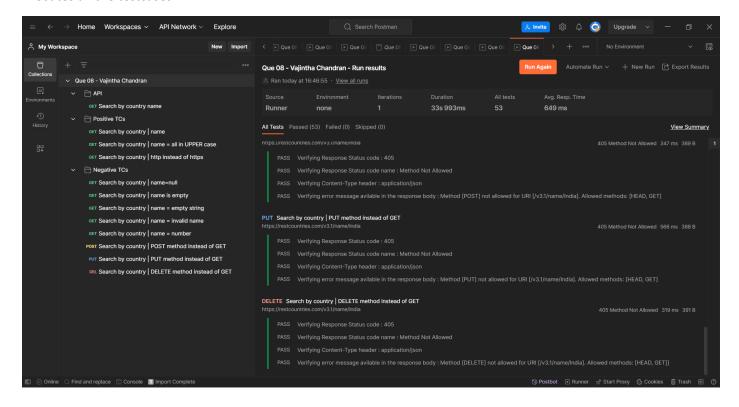
```
pm.test("Verifying Response Status code : 405", function () {
    pm.response.to.have.status(405);
};

pm.test("Verifying Response Status code name : Method Not Allowed", () => {
    pm.response.to.have.status("Method Not Allowed");
};

pm.test("Verifying Content-Type header : application/json", () => {
    pm.expect(pm.response.headers.get('Content-Type')).to.eql('application/json');
};

pm.test("Verifying error message avilable in the response body : Method [PUT] not
    allowed for URI [/v3.1/name/India]. Allowed methods: [HEAD, GET]", function() {
    const responeJson = pm.response.json();
    pm.expect(responeJson.message).to.eql("Method [PUT] not allowed for URI [/v3.1/name/India]. Allowed methods: [HEAD, GET]");
};
```

### Executes all the testcases:



Note: I have attached the collection execution test report