

## Creating Well-Structured Output for API Clients Using Postman to Get Weather Report.

### Source Code:

#### Collection Test scripts:

```
pm.test("Validate Collections variables", function () {  
  
    var host_url = pm.collectionVariables.get("Host_url");  
    var id = pm.collectionVariables.get("ID");  
    var city = pm.collectionVariables.get("City");  
    var appId = pm.collectionVariables.get("APP ID");  
  
    console.log(host_url, id, city, appId);  
});
```

#### Request Testscripts:

```
pm.test("status code is 200", function(){  
  
    pm.response.to.have.status(200);  
});  
  
pm.test("Reponse body should be JSON", function () {  
    var jsonData = pm.response.json();  
    pm.expect(jsonData.coord.lon).to.eql(-0.13);  
    pm.expect(jsonData.base).to.eql("stations");  
    pm.expect(jsonData.id).to.eql(2643743);  
    pm.expect(jsonData.name).to.eql("London");  
    pm.expect(jsonData.cod).to.eql(200);  
});  
  
pm.test("Reponse should be a json and dynamic properties", function () {  
    var jsonData = pm.response.json();  
    // check the properties exist  
    pm.expect(jsonData.main).to.have.property("temp");  
});
```

```
pm.expect(jsonData.main).to.have.property( "pressure");
pm.expect(jsonData.main).to.have.property( "humidity");
pm.expect(jsonData.main).to.have.property( "temp_min");
pm.expect(jsonData.main).to.have.property( "temp_max");
});

pm.test("Reponse should be a json and not null & not undefined properties", function () {
    var jsonData = pm.response.json();

    // check the properties exist & not null
    pm.expect(jsonData.coord.lon).to.not.be.null;
    pm.expect(jsonData.coord.lat).to.not.be.undefined;

    // check the properties exist & not undefined.
    pm.expect(jsonData.main.temp).to.not.be.null;
    pm.expect(jsonData.main.temp).to.not.be.undefined;

    // check the properties exist & not undefined.
    pm.expect(jsonData.main.pressure).to.not.be.null;
    pm.expect(jsonData.main.pressure).to.not.be.undefined;

    // check the properties exist & not undefined.
    pm.expect(jsonData.main.humidity).to.not.be.null;
    pm.expect(jsonData.main.humidity).to.not.be.undefined;
});

pm.test("Response time is less than 1000ms", function () {
    pm.expect(pm.response.responseTime).to.be.below(2000);
});
```