**Project 1(JSON parsing)**

**Problem Statement**: A JSON is received as a response of API request. Verify the JSON contains correct value.

**Real time problem statement**: You are working on automation framework. The above requirement is assigned to you and the API is in development process but the json is available for testing.

Now till the time API is not available you have to start with your automation task by creating dummy API which will read your json and provide the json as response.

Steps to create fake API with JSONSERVER:

1.Pre-requisite: NPM should be installed on system.

      - install from <https://nodejs.org/en/download/>

2.Restart system.

3. open command line and run command :  **npm install -g json-server**

-----Create a testdb.json file with provided json data.

4.run command **json**-**server --watch testdb.json**

Note: you have to include step 4 command in your code to start the json server.

***Use REST-assured to parse json response***

**Test case**: Verify the JSON fields value.

1. Car should be new ("is\_newcar" : true)
2. Version should be 1("version": 1)
3. Make city for level1 and level2 should be Munich and Berlin respectively ("maker\_city": "Munich")
4. Get the value of petrol version("petrol\_version": true) and count the the total no. of vehicle test for petrol version.(this should be 1)
5. Company name should be techtoolsqa ("company\_name": "techtoolsqa")
6. Get the highest speed of both the car("highest\_speed": "240")

Notes: Please use below resources:

1.OS should be windows

2.Java as programming language.

3.Keep JSON path in excel and read all jsonpaths from excel(do not hard code in scripts) or create enum class for json path.

4.Use Eclipse or IntelliJ IDEA

*Submissions: Upload the scripts in your GitHub account as public mode and email the link or you can simple email your code in zip format to ankitdeswal91@gmail.com*

**JSON:**

{

"request":{

"body":{

"raw": {

"is\_newcar" : true,

"company\_name": "techtoolsqa",

"region": {

"timezone": "US",

"language": "en"

},

"json\_data": {

"version": 1,

"company\_number": "67464588",

"registereddate": "2019-07-02T10:01:30+00:00",

"type": "Undecided",

"history\_details": [

{

"date": "1990-12-15",

"options": {

"validity": "2",

"name": "raxe"

}}],

"history\_company": [

{

"CMM": {

"level": "1",

"name": "techtoolsqa"

},

"Maker": {

"code": "5",

"name": "honda"

},

"maker\_city": "Munich",

"maker\_street": "Fmmanuka",

"Dealer": "forman",

"state": "",

"postcode": "ghf 4ed",

"phone\_number": "0983773838",

"dealer\_license\_status": true,

"maker\_license\_status": true

},

{

"CMM": {

"level": "2",

"name": "techtoolsqa"

},

"Maker": {

"code": "4",

"name": "maruti"

},

"maker\_city": "Berlin",

"maker\_street": "newgen",

"Dealer": "David",

"state": "",

"postcode": "edw 5ed",

"phone\_number": "08383883399",

"dealer\_license\_status": true,

"maker\_license\_status": false

}

],

"vehicle\_result": {

"vehicle\_test": [

{

"test\_date": "2018-12-22",

"test\_name": "Round circle",

"result": 100,

"tyre":"jen2a",

"notes": "tubeless tyre used",

"lowest\_speed": "10",

"highest\_speed": "140",

"comment": "",

"more\_data": true,

"petrol\_version": true

},

{

"test\_date": "2018-12-12",

"test\_name": "Round circle",

"result": 100,

"notes": "rubber tyre with tube",

"lowest\_speed": "10",

"highest\_speed": "240",

"comment": "",

"more\_data": false

}

]

}

}

}}}}