**Automation of API:**

1. Created a maven project
2. Add dependency io.rest assured inside pom.xml
3. Crate a properties file and store configuration information

**Note**: CTRL+SHIFT+F (to align the code in a structured way)

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**To install maven please follow steps provided in below link:**

<https://phoenixnap.com/kb/install-maven-windows>

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**Install node js :**

<https://nodejs.org/en>

**To Check the version:**

newman –version

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**End Point**: Request Type (GET, POST...etc) + protocol + Domain +Resource (data) like path or query parameters

**path parameter**: Variable which is pointing to some specific resource

**query parameter**: Indicated with? Used for filtering out some thing

**URL**: Uniform Resource Locator

**URI**: Uniform Resource Identifier (holding address of a service) URN Uniform Resource Name

**URL**:

https://www.google.com/search?q=selenium

https://www.reqres.in/api/users?page=2 https://www.reqres.in/api/users/4

**URI**:

google.com/search?q=selenium

reqres.in/api/users?page=2

reqres.in/api/users/4

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<https://jsonpath.com/>

<https://jsonpathfinder.com/>

**Run the collection:**

1. Run Manually

2. Schedule Runs

3. Automate Run with CLI

4. With Newman tool

**Download postman CLI**:

https://learning.postman.com/docs/postman-cli/postman-cli-installation/#windows-installation

https://restful-booker.herokuapp.com/apidoc/index.html

Install node js: https://nodejs.org/en

**To Check the version**: newman -v

To install Newman globally on your system, use the following command:

**Command** npm install -g newman

https://learning.postman.com/docs/collections/using-newman-cli/installing-running-newman/

**Navigate to the folder where collection and environment jsons are stored and execute use Command to run from Command Line**:

newman run goRest.postman\_collection.json -e QA\_Env. postman\_environment.json

**To check the node version installed**: node -v

**To check the npm session installed**: npm -v

**To generate html Report, install reporter by executing below command in cmd prompt:**

npm install -g newman-reporter-html

**we must append -r html at the end like mentioned below:**

newman run collection.json -r html

newman run goRest.postman\_collection.json -e QA\_Env. postman\_environment.json -r html

**To generate html extra reports intall html extra reporter by executing below command in cmd prompt:**

npm install -g newman-reporter-htmlextra

**we must append -r html at the end like mentioned below:**

newman run goRest.postman\_collection.json -e QA Env. postman\_environment.json -r htmlextra

**POJO Class:**

Plain Old Java Object -> technically it is a class based on encapsulation where we can wrap data with code (function)