API Testing - Automation

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Writing Test

- Verify **Status Code** ⇒ `pm.test("Status code is 200", function () {`

  `pm.response.to.have.status(200);`

  `});`

- Verify **Response Time** ⇒ `pm.test("Response time is less than 200ms", **function** () {`

  `pm.expect(pm.response.responseTime).to.be.below(200);`

  `});`

- Verify **Data** ⇒ `pm.expect(<expected-data>).to.eql(<actual-data>);`

- Verify **String** ⇒ `pm.expect(<expected-data>).to.include(<actual-data>);`

Variable Set and Variable Get

- **Set Environment Variable** ⇒ `pm.environment.set("variable_key", "variable_value");`

- **Get Environment Variable** ⇒ `pm.environment.get("variable_key");`

- **Set Collection Variable** ⇒ `pm.collectionVariables.set("variable_key", "variable_value");`

- **Set Environment Variable** ⇒ `pm.collectionVariables.get("variable_key");`

- **Set Global Variable** ⇒ `pm.globals.set("variable_key", "variable_value");`

- **Set Global Variable** ⇒ `pm.globals.get("variable_key");`

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Automation Run Manually

- **Set Order**

- **Run Configuration**

- **Execute Run**

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Automation Run from CLI

- **Configure Newman:** `npm install -g newman`

- **Export collection in json**

- **Run Collection in Newman:** `newman run <collection-file>`

- **Run Collection in Newman with Variables:** `newman run <filename>.json -e <environment-file>`

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Get Report

- **Configure Newman HTML Reporter:** `npm install -g –reporter -html-export`

- **Run Collection for Report:** `newman run <filename>.json -r html --reporter-html-export`

  `<html-filename>`

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