**API Automation Content with AI Integration**

* **Tutorial 1- Introduction to REST Assured**
  + Understanding RESTful APIs and how AI can assist in their testing, such as intelligent test case generation based on API specifications or suggesting common test scenarios.
* **Tutorial 2 - Setup a Basic REST Assured Maven Project in Eclipse IDE**
  + Setting up the project with potential AI-powered code completion for dependencies or suggesting optimal project structures.
* **Tutorial 3 - Static Import in Java**
  + Using static imports efficiently, with AI tools potentially suggesting best practices for import statements to improve code readability.
* **Tutorial 4 - Let's Write First GET REST Assured Test**
  + Writing a basic GET request and exploring how AI could analyze the API endpoint and suggest relevant assertions for response validation.
* **Tutorial 5 - Abstraction - Hide The Implementation**
  + Applying abstraction principles, with AI potentially assisting in refactoring code to create reusable components and improve maintainability.
* **Tutorial 6 - Interface in OOPS – Implement As You Wish**
  + Understanding interfaces and how AI could provide guidance on implementing them based on design patterns and best practices.
* **Tutorial 7 - Builder Pattern In REST Assured**
  + Using the builder pattern for request creation, with AI potentially suggesting the order of parameters or pre-filling default values.
* **Tutorial 8 - BDD Style In Rest Assured**
  + Writing tests in a BDD (Behavior-Driven Development) style, exploring how AI could help generate Gherkin scenarios from API documentation or user stories.
* **Tutorial 9 - Let's Write First POST Request In REST Assured**
  + Creating a POST request, with AI potentially suggesting example request payloads based on the API's expected input format.
* **Tutorial 10 - Let's Write First PUT Request In REST Assured**
  + Writing a PUT request, exploring how AI could generate realistic data for updating resources, ensuring data type and format compliance.
* **Tutorial 11 - Let's Write First PATCH Request In REST Assured**
  + Writing a PATCH request, with AI potentially suggesting which fields to update and providing valid data samples for those fields.
* **Tutorial 12 - Let's Write First DELETE Request In REST Assured**
  + Writing a DELETE request and how AI could help validate the successful deletion of a resource by checking the response code and resource status.
* **Tutorial 13 - How To Write API Response In A JSON File**
  + Storing API responses in JSON files, with AI potentially assisting in formatting the JSON output for readability and validating its structure.
* **Tutorial 14-RequestSpecification - How The Request Will Look Like**
  + Using RequestSpecification to define request details, with AI potentially suggesting common headers, parameters, or authentication schemes.
* **Tutorial 15 - Multiple Ways Of Calling HTTP Methods On A RequestSpecification**
  + Exploring different ways to call HTTP methods, with AI potentially suggesting the most efficient or readable syntax based on the context.
* **Tutorial 16 - Building RequestSpecification Using RequestSpecBuilder**
  + Using RequestSpecBuilder to create reusable request specifications, with AI potentially providing guidance on setting up common configurations.
* **Tutorial 17 - Setting A Default RequestSpecification In Rest Assured**
  + Setting a default RequestSpecification, with AI potentially suggesting context-aware defaults based on the API being tested.
* **Tutorial 18 - Querying RequestSpecification In Rest Assured**
  + Querying the RequestSpecification, with AI potentially helping to analyze its configurations and identify potential issues.
* **Tutorial 20 - How To Send A JSON/XML File As Payload To Request**
  + Sending JSON/XML files as request payloads, with AI potentially validating the file content against the expected schema and suggesting improvements.
* **Tutorial 21 - Get & Assert Response Time Of Request**
  + Get & Assert Response Time of Request with AI-driven anomaly detection to identify performance bottlenecks.
* **Tutorial 22 - Introduction To JSON**
  + Introduction To JSON with AI-based structure analysis and validation.
* **Tutorial 23 - Creating JSON Object Request Body Using Java Map**
  + Creating JSON Object Request Body Using Java Map with AI-suggested mappings and data type validation.
* **Tutorial 24 - Creating JSON Array Request Body Using List**
  + Creating JSON Array Request Body Using List with AI-driven data population and array structure validation.
* **Tutorial 25 - How To Create A JSON Object Using Jackson API - ObjectMapper - CreateObjectNode()**
  + How To Create A JSON Object Using Jackson API with AI-assisted code generation and error prediction.
* **Tutorial 26 - How To Use Java Object As Payload For API Request**
  + How To Use Java Object As Payload For API Request with AI-driven payload optimization and transformation.
* **Tutorial 27 - How To Create JSON Array Using Jackson API - ObjectMapper - CreateArrayNode()**
  + How To Create JSON Array Using Jackson API with AI-based array creation and data binding suggestions.
* **Tutorial 28 - What Is Plain Old Java Object (POJO)?**
  + What Is Plain Old Java Object (POJO)? with AI-enhanced POJO generation from JSON schema.
* **Tutorial 29 - How To Create POJO Classes Of A JSON Object Payload:**
  + How To Create POJO Classes Of A JSON Object Payload with AI-driven field mapping and annotation recommendations.
* **Tutorial 30 - How To Create POJO Classes Of A JSON Array Payload:**
  + How To Create POJO Classes Of A JSON Array Payload with AI-assisted list and object structure creation within POJOs.
* **Tutorial 31 - How To Create POJO Classes Of A Nested JSON Payload:**
  + How To Create POJO Classes Of A Nested JSON Payload with AI-powered nested class generation and relationship management.
* **Tutorial 32 - Serialization - Java Object To JSON Object Using Jackson API**
  + Serialization - Java Object To JSON Object Using Jackson API with AI-optimized serialization configurations.
* **Tutorial 33 - De-Serialization - JSON Object To Java Object Using Jackson API**
  + De-Serialization - JSON Object To Java Object Using Jackson API with AI-driven data type conversion and error handling.
* **Tutorial 34 - Serialization - Java Object To JSON Object Using Gson API**
  + Serialization - Java Object To JSON Object Using Gson API with AI-suggested GsonBuilder settings for custom serialization.
* **Tutorial 35 - De-Serialization - JSON Object To Java Object Using Gson API**
  + De-Serialization - JSON Object To Java Object Using Gson API with AI-assisted Gson configuration for handling different data formats.
* **Tutorial 36 - @JsonInclude Annotation - Ignore Default Values In Payload**
  + @JsonInclude Annotation - Ignore Default Values In Payload with AI-based identification of fields that can be excluded.
* **Tutorial 37 - @JsonInclude Annotation - Ignore Null & Empty Values In Payload**
  + @JsonInclude Annotation - Ignore Null & Empty Values In Payload with AI-driven analysis of payload data to optimize size and content.
* **Tutorial 38 - How Getter & Setter Methods Matter For Serialization Deserialization Using POJO**
  + How Getter & Setter Methods Matter For Serialization Deserialization Using POJO with AI-powered suggestions for getter/setter optimization.
* **Tutorial 39 - @JsonIgnore Annotation Of Jackson API - Exclude Field Of Pojo From Serialization And Deserialization**
  + @JsonIgnore Annotation Of Jackson API with AI-driven identification of fields that should be excluded based on context.
* **Tutorial 40 - @JsonIgnoreProperties Annotation Of Jackson API - Exclude Field Of Pojo From Serialization Or Deserialization Or Both**
  + @JsonIgnoreProperties Annotation Of Jackson API with AI-assisted management of field exclusion rules.
* **Tutorial 41 - Ignore Unknown Properties During Deserialization Using @JsonIgnoreProperties:**
  + Ignore Unknown Properties During Deserialization Using @JsonIgnoreProperties: with AI-based handling of schema evolution and versioning.
* **Tutorial 42 - Ignore Unknown Properties During Deserialization Using ObjectMapper - Jackson API :**
  + Ignore Unknown Properties During Deserialization Using ObjectMapper - Jackson API : with AI-driven strategies for dealing with unexpected data.
* **Tutorial 43 - Get All Keys From A Nested JSON Object:**
  + Get All Keys From A Nested JSON Object: with AI-powered traversal and extraction of keys.
* **Tutorial 44 - Fetch Value From JSON Object Using JsonNode - Jackson - Get() & Path() Methods:**
  + Fetch Value From JSON Object Using JsonNode with AI-suggested methods for efficient data retrieval.
* **Tutorial 45 - Fetch Value From Nested JSON Object Using JsonNode - Jackson - At() Method:**
  + Fetch Value From Nested JSON Object Using JsonNode - Jackson - At() Method: with AI-driven navigation of nested structures.
* **Tutorial 46 - Fetch Value From JSON Array Using JsonNode - Jackson - Get() & Path() Methods:**
  + Fetch Value From JSON Array Using JsonNode - Jackson - Get() & Path() Methods: with AI-assisted indexing and data access.
* **Tutorial 47 - Fetch Value From Nested JSON Array Using JsonNode - Jackson - At() Method:**
  + Fetch Value From Nested JSON Array Using JsonNode - Jackson - At() Method: with AI-powered traversal of nested arrays.
* **Tutorial 48 - How To Pass Headers In Requests**
  + How To Pass Headers In Requests with AI-suggested header configurations for different API types.
* **Tutorial 49 - How To Retrieve Single And MultiValue Headers From Response Using Rest Assured:**
  + How To Retrieve Single And MultiValue Headers From Response Using Rest Assured: with AI-driven parsing and interpretation of header information.
* **Tutorial 50 - How To Set Content-Type For Request In Rest Assured:**
  + How To Set Content-Type For Request In Rest Assured: with AI-based content type recommendations and validation.
* **Tutorial 51 - How To Retrieve And Assert Content-Type Of Response In Rest Assured**
  + How To Retrieve And Assert Content-Type Of Response In Rest Assured with AI-powered content type verification.
* **Tutorial 52 - ResponseSpecification - Specify How The Expected Response Must Look Like**
  + ResponseSpecification - Specify How The Expected Response Must Look Like with AI-generated response templates.
* **Tutorial 53 - How To Create ResponseSpecification Using ResponseSpecBuilder:**
  + How To Create ResponseSpecification Using ResponseSpecBuilder: with AI-assisted construction of response specifications.
* **Tutorial 54 - What Is JSON Schema?**
  + What Is JSON Schema? with AI-driven explanation and examples.
* **Tutorial 55 - JSON Schema Validation In Rest Assured**
  + JSON Schema Validation In Rest Assured with AI-generated schema validation tests.
* **Tutorial 56 - JSON Schema Validation Without Rest Assured**
  + JSON Schema Validation Without Rest Assured with AI-based schema validation tools and techniques.
* **Tutorial 57 - Editing Existing JSON Object On The Fly Using JsonNode - Jackson**
  + Editing Existing JSON Object On The Fly Using JsonNode - Jackson with AI-suggested modifications and transformations.
* **Tutorial 58 - What Is JsonPath And How To Create It For Simple And Nested JSON Object?**
  + What Is JsonPath And How To Create It For Simple And Nested JSON Object? with AI-powered JsonPath expression generation.
* **Tutorial 59 - How To Create JsonPath For Simple And Nested JSON Array?**
  + How To Create JsonPath For Simple And Nested JSON Array? with AI-driven assistance in creating JsonPath queries for arrays.
* **Tutorial 60 - Learn to write JsonPath expressions or JsonPath syntax**
  + Learn to write JsonPath expressions or JsonPath syntax with AI-based learning tools and examples.
* **Tutorial 61 - Deserialize Using JsonPath**
  + Deserialize Using JsonPath with AI-assisted data extraction and mapping.
* **Tutorial 62 - How To Use Path or URL Parameters In Rest Assured**
  + How To Use Path or URL Parameters In Rest Assured with AI-driven parameter generation and validation.
* **Tutorial 63 - How to create JSON with date fields using POJO**
  + How to create JSON with date fields using POJO with AI-suggested date formats and handling.
* **Tutorial 64 - How to pass value from one API to Another API using TestNG - ITestContext**
  + How to pass value from one API to Another API using TestNG - ITestContext with AI-optimized data transfer strategies.
* **Tutorial 65 - How to parse a JSON Object response to a Java Map in Rest Assured?**
  + How to parse a JSON Object response to a Java Map in Rest Assured? with AI-assisted mapping and data conversion.
* **Tutorial 66 - How To Parse A JSON Array Response To A Java List In Rest Assured?**
  + How To Parse A JSON Array Response To A Java List In Rest Assured? with AI-driven list creation and population.
* **Tutorial 67 - How to assert full response JSON body in Rest Assured?**
  + How to assert full response JSON body in Rest Assured? with AI-powered response comparison and validation.
* **Tutorial 68 - Compare Two JSON using Jackson - Java Library**
  + Compare Two JSON using Jackson - Java Library with AI-driven difference analysis and reporting.
* **Tutorial 69 - Introduction To JsonAssert Library**
  + Introduction To JsonAssert Library with AI-based usage examples and best practices.
* **Tutorial 70 - Compare JSON Objects using JSONassert Library**
  + Compare JSON Objects using JSONassert Library with AI-assisted comparison and assertion generation.
* **Tutorial 71 - Compare JSON Arrays Using JSONassert Library**
  + Compare JSON Arrays Using JSONassert Library with AI-driven array comparison and validation.
* **Tutorial 72 - How To Compare Part of JSON Objects and Arrays using JSONassert library**
  + How To Compare Part of JSON Objects and Arrays using JSONassert library with AI-suggested partial comparison strategies.