

# Course Title/Training Name

**Rest/Json**

# Objectives

1. Understand the concepts of REST.
2. Explore the conventions and design principals associated with REST services.
3. Learn how to produce and consume data in JSON.
4. Examine how to secure Python/Flask REST services.
5. See how to build Python REST client applications.

## Prerequisites

Must have a basic understanding of the web application's work over HTTP and a basic knowledge of Python.

## Target Audience:

Developers who have basic knowledge of Python.

# Contents

## 1. JSON – OVERVIEW

- Uses of JSON
- Characteristics of JSON
- Simple Example in JSON

## 2. JSON – SYNTAX

## 3. JSON – DATATYPES

- Number
- String
- Boolean
- Array
- Object
- Whitespace
- null
- JSON Value

## 4. JSON – OBJECTS

- Creating Simple Objects
- Creating Array Objects

## 5. JSON – SCHEMA

- JSON Schema Validation Libraries
- JSON Schema Example

## 6. JSON – COMPARISON WITH XML

## 7. JSON – JSON WITH Python

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- Environment
- JSON Functions
- Encoding JSON in Python (json\_encode)
- Decoding JSON in Python (json\_decode)

### 8. JSON – JSON WITH JAVA

- Environment
- Mapping between JSON and Java entities
- Encoding JSON in Java
- Decoding JSON in Java

## Duration

1 Day, 8 Hours

## Trainer

Ravi Jaya

## Provider name

Spring People Software Private Limited, Bangalore