# API Testing
## Lesson 00:

Capgemini

# Course Goals and Non Goals

➤ **Course Goals**
- Understanding API Testing Using Postman and REST-assured

➤ **Course Non Goals**
- Database connectivity with API tools are not covered

# Pre-requisites

➢ Software Testing

# Intended Audience

➢ **Novice User**
➢ **Tester**

# Day Wise Schedule

➢ **Day 1**

- Lesson 1: Introduction to API Testing
- Lesson 2: Introduction to Postman API Testing Tool

➢ **Day 2**

- Lesson 3: Postman Advance Concepts

➢ **Day 3**

- Lesson 4: Introduction to REST-assured

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➢ **Lesson 1: :**Introduction to API Testing

- What is API

- Types of API's

- What are Web Services

- Types Of Web Services and Web Services Components

- Difference between Web Services and API

- API Testing Important Terms

- What is API Testing

- Why do we need to perform API testing?

- The Benefits of API Testing

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➤ **Lesson 1: :** Introduction to API Testing

- – API testing types

- – API testing best practices

- – Types of Bugs that API testing detects

- – Challenges in API testing

- – API testing tools Selection Criteria

- – API Testing Tools

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➢ **Lesson 2:Postman Basics**

- – Introduction to Postman

- – Why Use Postman?

- – Download and Install Postman

- – How to use Postman

- – Create new Request in Postman

- – Get Request in Postman

- – How to deal with Response in Postman

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➤ **Lesson 3:Postman Advance Concepts**

– Basic Authentication in Postman

– Environmental Variables in Postman

– Collections in Postman

– Assertions in Postman

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