

# Postman Course Content

## 1. Introduction to Postman

- What is Postman?
- Importance of API testing
- Overview of the Postman interface

## 2. Setting Up Postman

- Downloading and installing Postman
- Creating a Postman account
- Navigating the user interface

## 3. Creating and Sending Requests

- Understanding HTTP methods (GET, POST, PUT, DELETE, etc.)
- Creating a new request
- Setting request headers and parameters
- Sending requests and viewing responses

## 4. Working with Collections

- What are collections?
- Creating and organizing collections
- Adding requests to collections
- Sharing collections with team members

## 5. Environment and Variables

- Understanding environments in Postman
- Creating and using variables
- Using environment variables in requests

## 6. Testing APIs

- Writing tests in Postman
- Using the Tests tab
- Validating responses (status codes, response time, body content)

## 7. Automation with Postman

- Introduction to Newman (Postman's command-line tool)
- Running collections with Newman
- Scheduling automated tests

## **8. Documentation and Monitoring**

- Generating API documentation from collections
- Monitoring API endpoints
- Setting up monitors for automated tests

## **9. Advanced Features**

- Using pre-request scripts
- Working with data files for collection runs
- Version control with Postman

## **10. Best Practices and Tips**

- Organizing requests and collections effectively
- Using Postman for team collaboration
- Common pitfalls and troubleshooting