Karate Basics: Feature, Scenario & Scenario Outline

1. Feature

Feature represents a functionality or API that we want to test. A Feature file can contain multiple Scenarios or Scenario Outlines.
Example:
Feature: User API Testing

2. Scenario

Scenario represents a single test case. It is used when we want to test one flow with one set of data.
Example:
Scenario: Get all users Given url 'https://reqres.in/api/users?page=2' When method get Then status 200

3. Scenario Outline

Scenario Outline is used for data-driven testing. The same scenario is executed multiple times using different test data from the Examples table.
Example:
Scenario Outline: Get user by id Given url 'https://reqres.in/api/users/' When method get Then status Examples: | id | statusCode | | 1 | 200 | | 2 | 200 | | 23 | 404 |

Scenario vs Scenario Outline (Quick Comparison)

- Scenario → Single execution, single test data
- Scenario Outline → Multiple executions with different test data
- Scenario Outline uses Examples table

Interview Tip: Scenario Outline is preferred in Karate because it supports data-driven testing without external files.