

Roadmap to become a Software Test Engineer

2024

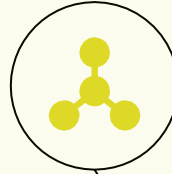


Software Testing



Manual

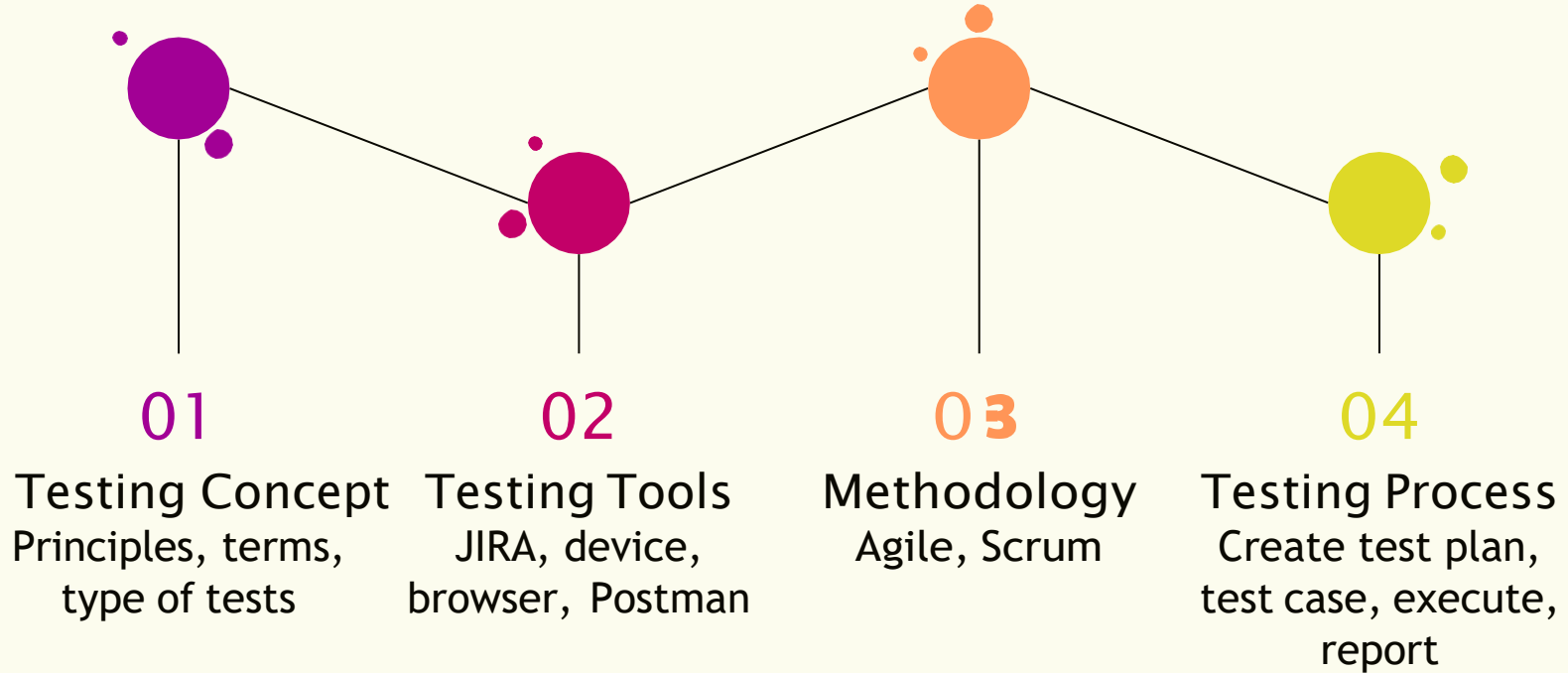
tests are executed
manually



Automation

testers write scripts
to automate test
execution

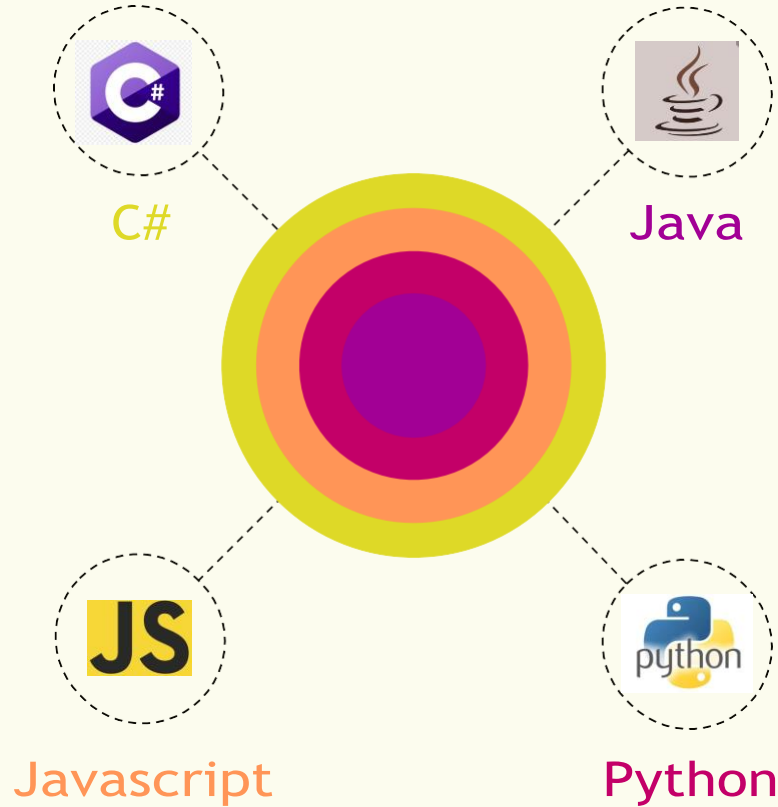
Manual Testing



20 Top Test Management Tools

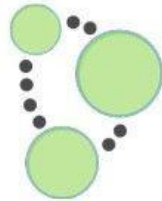
- #1) Zephyr Scale
- #2) PractiTest
- #3) Zephyr Squad
- #4) TestCollab
- #5) Requirements and Test Management for Jira (RTM)
- #6) XQual
- #7) Xray - Cutting Edge Test Management
- #8) TestRail
- #9) Kualitee
- #10) TestFLO for JIRA

- #11) SPIRATEST by Inflectra
- #12) Qase
- #13) Testiny
- #14) TestMonitor
- #15) Testpad
- #16) JunoOne
- #17) Klaros-Testmanagement
- #18) QACoverage
- #19) JIRA
- #20) QAComplete



Programming Skill

You need to know at least one of this programming language or another language

APACHE
HBASECassandraCouchDB
relaxriakmongoDBHYPERTABLE INCNeo4jredisamazon
DynamoDB

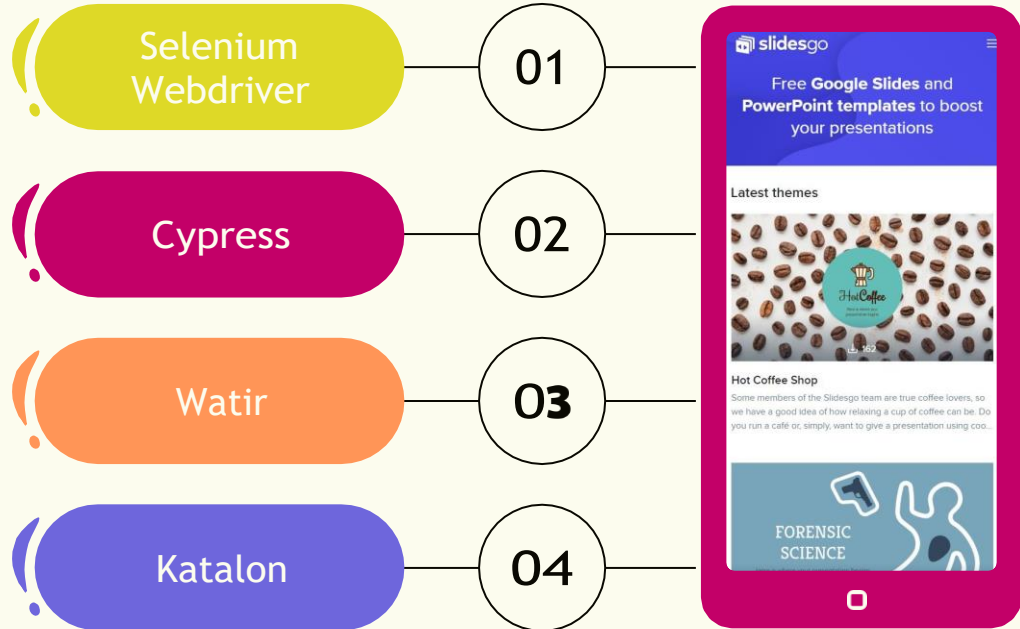
Database Testing Skill

You need to know and
utilize at least one of this
database or another
database

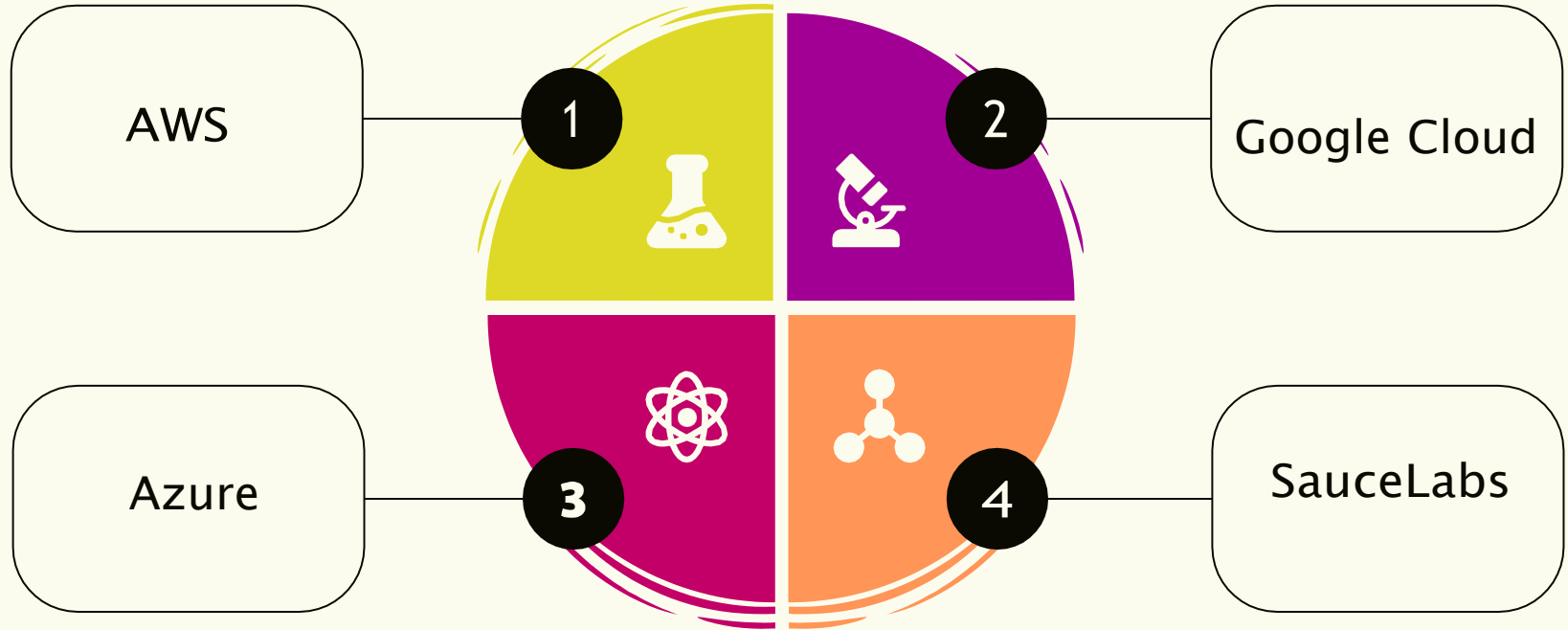
Type of Testing



Web Testing



Web Cloud Testing



Web Automation Framework



web automation framework



 All

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Tools

Software framework Software / [World Wide Web](#) / Automation



Selenium
Apache Lice...



Cucumber
MIT License



Robot
Framework
Apache Lice...



Watir
BSD licenses



Capybara
MIT License



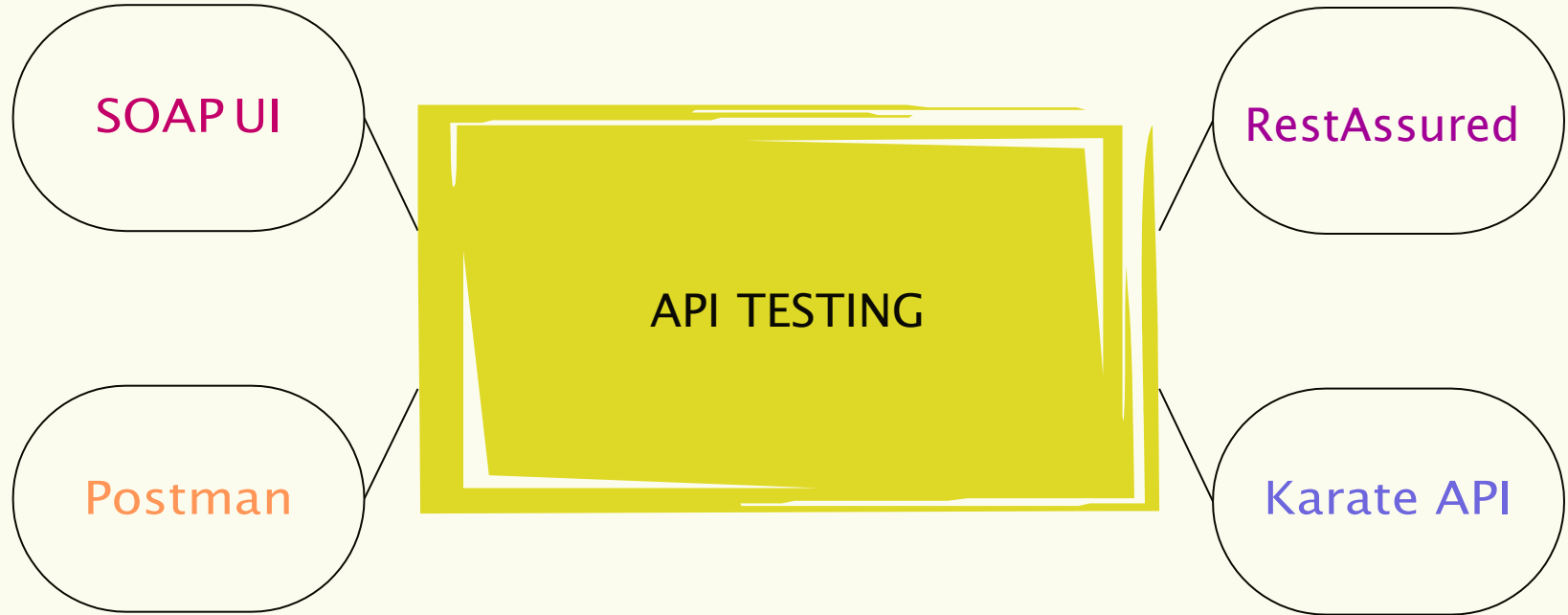
Windows
Forms
MIT License



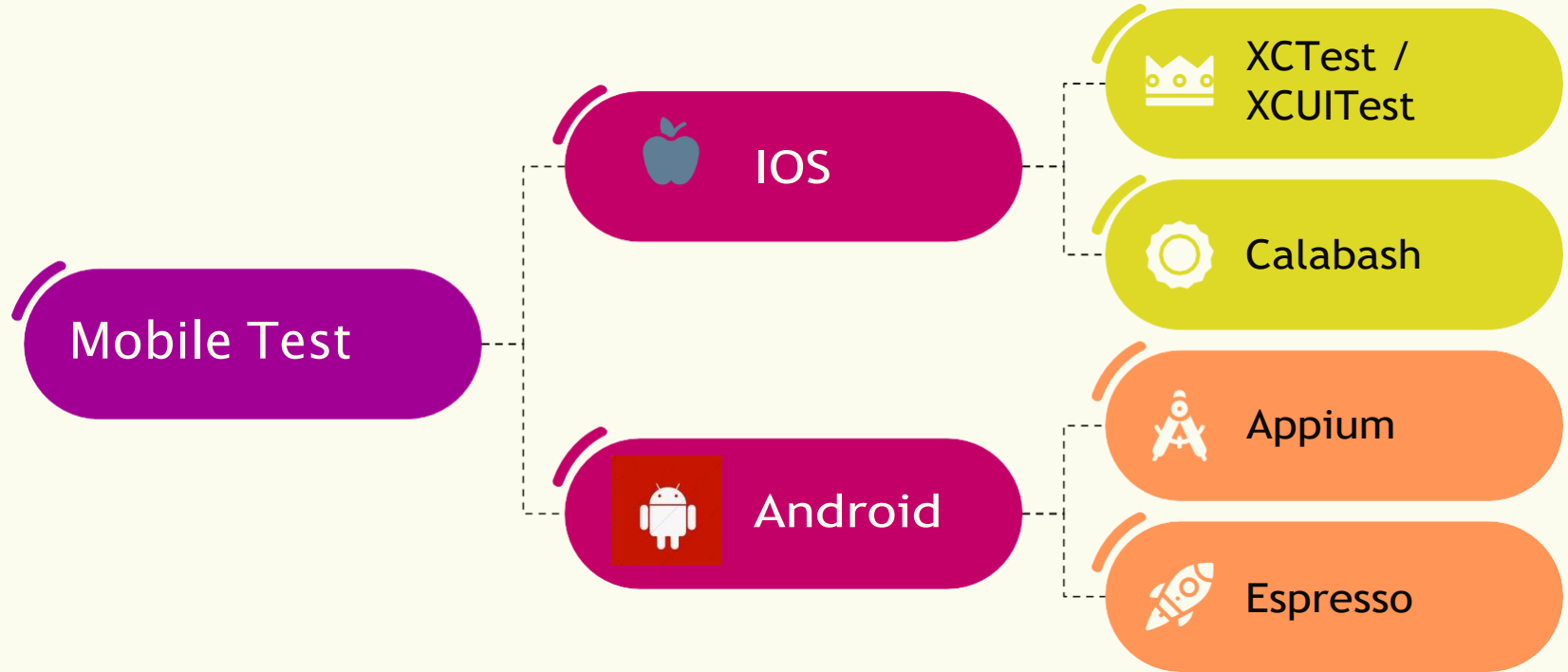
ActiveX



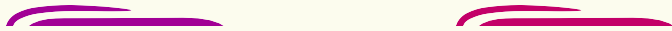
Windmill
Apache Lice...



Mobile Testing



Device Cloud Testing

Two decorative purple swooshes, one on the left and one on the right, positioned below the title.

AWS

AWS Device
Farm

Kobiton
Real Mobile
Device Testing

Firebase

Firebase Test
Lab for Android

An orange rounded rectangle containing the number '03' in white. A dashed line extends from the top right corner of the box.

03

Bitbar
A Device Cloud
Infrastructure

Perfecto

Test on Real
Android & iOS
Devices.

SouceLab
offers both a
public and
private Real
Device Cloud

Performance Testing

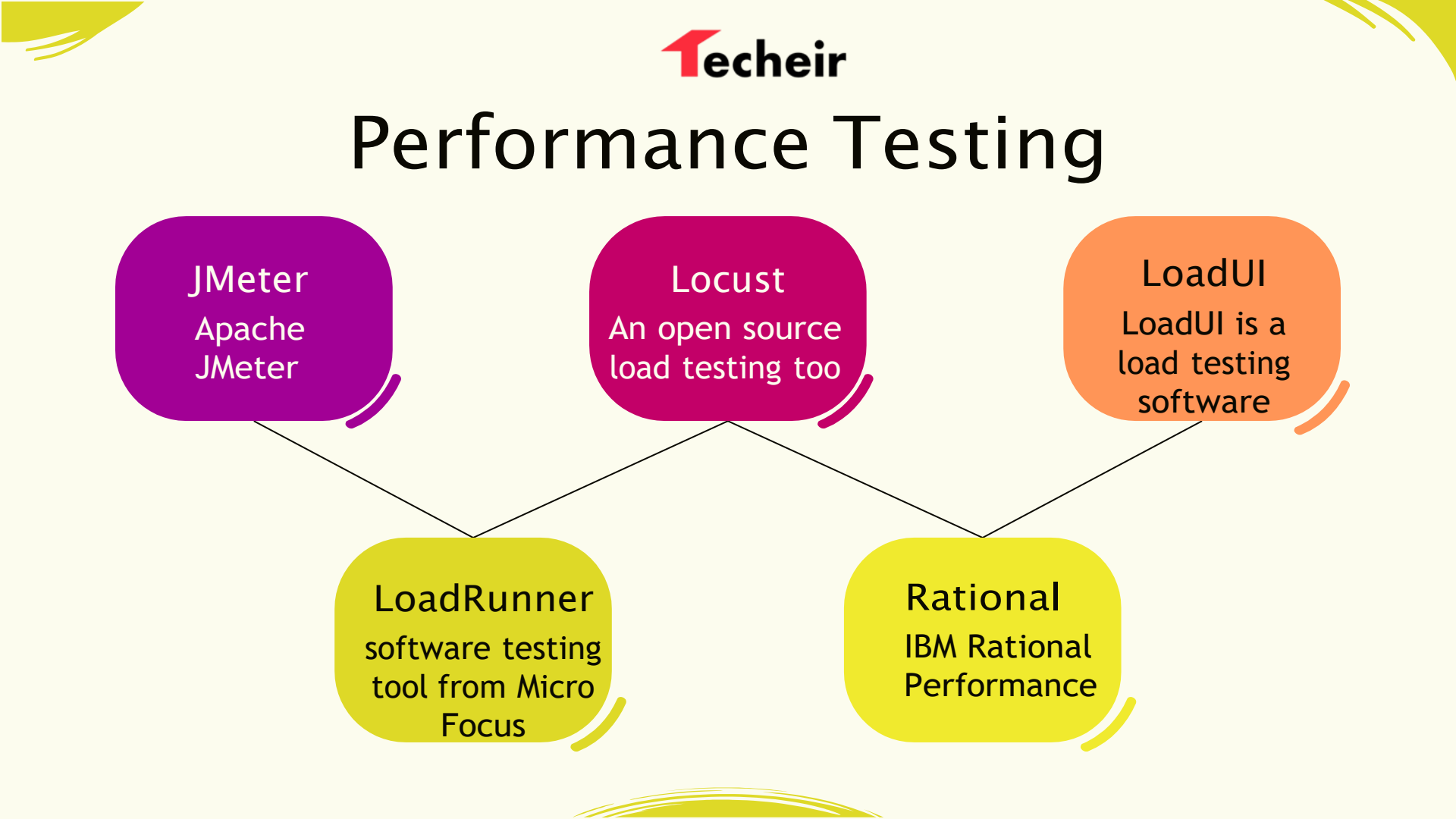
JMeter
Apache
JMeter

Locust
An open source
load testing too

LoadUI
LoadUI is a
load testing
software

LoadRunner
software testing
tool from Micro
Focus

Rational
IBM Rational
Performance





BurpSuite

01



Nmap

02



Wireshark

03

Security Test

Security testing is a process intended to reveal flaws

Techair

CI / CD



Maven

build automation
tool for Java



Gradle

build automation tool
for multi-language



Jenkins

free and open source
automation server



GIT

Version Control



Bamboo

CI server that can be
used to automate the
release



Docker

deliver software in
packages called
containers

Unit Testing

Java



- Mockito
- JUnit
- TestNg

- Jest
- Mocha
- Jasmine

Javascript



Python



- Unittest
- pytest

- Phpunit
- Codeception
- PHPSpect

PHP





Thanks!

Do you have any questions?