



# JMeter

## 1.1 Performance testing Core concepts

- ✓ What is performance testing?
- ✓ Why performance testing?

## 1.2 Types of Performance testing

- ✓ Load Test
- ✓ Stress Test
- ✓ Spike Test
- ✓ Endurance Test
- ✓ Volume Test

## 1.3 Performance testing life cycle

- ✓ Requirement gathering
- ✓ Test Plan Design
- ✓ Script Design
- ✓ Execution and monitoring
- ✓ Result analysis and reporting

## 1.4 JMeter Introduction

- ✓ Introduction to JMeter
- ✓ JMeter Installation
- ✓ Configuring Environment Path Variable
- ✓ JMeter Components
- ✓ Thread Group Introduction

## 1.5 Record and Replay

- ✓ How to record script using JMeter
- ✓ How to setup proxy
- ✓ How to replay the script with different settings

## 1.6 Parameterization

- ✓ How to parameterize the user inputs
- ✓ How to setup csv data set config
- ✓ Different type of parameterization options available in JMeter
- ✓ Pre-Processor

## 1.7 Correlation

- ✓ What is correlation?
- ✓ Post Processor
- ✓ Regular Expression Extractor
- ✓ Debug Post Processor

## 1.8 Timer

- ✓ Constant Timer
- ✓ Random Timer
- ✓ Synchronization Timer

## 1.9 Assertions

- ✓ Why assertion
- ✓ Error Handling
- ✓ Text verification

### **1.10 JMeter Property File Customization**

- ✓ Jmeter.batch
- ✓ Jmeter.properties

### **1.11 JMeter Plugins**

- ✓ How to add plugins in JMeter

### **1.10 Controllers**

- ✓ Transaction Controller
- ✓ Simple Controller
- ✓ Random Controller
- ✓ Once Only Controller
- ✓ Loop Controller
- ✓ If Controller
- ✓ Include Controller
- ✓ Interleave Controller
- ✓ Random Order Controller
- ✓ Recording Controller
- ✓ Runtime Controller

### **1.11 Thread Group**

- ✓ Different Types of Thread Group
- ✓ Scenario Design using Thread Group
- ✓ Single Thread Group
- ✓ Multiple Thread Group
- ✓ Stepping Thread Group
- ✓ Ultimate Thread Group

- ✓ Introduction to listener
- ✓ Aggregate Report
- ✓ Aggregate Graph
- ✓ View Results Tree
- ✓ View Results in Table
- ✓ Summary Report
- ✓ Graph Results

### **1.13 Non-GUI Mode Test Execution and Distributed Mode**

- ✓ Simple Non GUI Execution
- ✓ Non GUI Execution with One LG
- ✓ Non GUI Execution with Two LG
- ✓ Non GUI Execution in LG with different users load
- ✓ Non GUI Execution with different instance in same machine
- ✓ HTML Report Generation

### **1.14. Web Service testing using JMeter**

- ✓ Soap Request

### **1.15 JDBC Performance Testing**

- ✓ JDBC Sampler

### **1.16 SMTP Performance Testing**

- ✓ SMTP Sampler

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