



Mockito

Introduction

Agenda

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Introduction to Mockito

Objectives

At the end of this module, you will be able to explain:

- What is Mockito

Introduction to Mockito



Mockito

- Mockito is open source
- It is a mocking framework for testing Java Applications using Java – based library
- Mocking implementation of interfaces or classes enables the isolation during unit testing
- Side effects of other classes are controlled by mocking
 - Full service class implementation is not complete
 - DB connection to actual db is not yet up but test needs to be done on other behaviours

Mocking

- Mocking is creation of mock objects during unit testing

- Mock objects are used in situations like
 - To just record the interactions with the systems and validate it
 - To fill dummy parameter list
 - Used to connect with local sample internal database instead of actual database etc

Simple steps to test the code using mockito

- Mock away external dependencies by creating mock objects
- Inserting the mock codes into the test
- Execute the test
- Validate the code

Sample mock object

- Let us consider EmployeeDB class. In order to mock it we can use

```
empDB = mock(EmployeeED.class);
```

- Or by using annotation

@Mock

EmployeeDB empDB;

- In both the cases we don't instantiate the object instance, its been mocked
- We can mock the behaviors with When Then Return statement

```
when(empDB.insert(empObj)).thenReturn(1);
```

```
when(empDB.insert(deptObj)).thenReturn(0);
```

For Further Reading and full demo visit:

https://www.tutorialspoint.com/mockito/mockito_junit_integration.htm

Summary

- Introduction to Mockito



Thank You