JUnit

Introduction

Agenda

1	**Introduction to JUnit**

Objectives

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

- Basics of JUnit

Introduction to JUnit

JUNIT

- JUnit is an open source testing framework for Java

- JUnit test cases are Java classes that contain one or more unit test methods

- It is a simple framework for creating automated unit tests

JUNIT(Contd).

- These tests are grouped into test suites
    - JUnit tests are pass/fail tests explicitly designed to run without human intervention
    - JUnit can be integrated with several IDEs, including Eclipse
        - The JUnit distribution can be downloaded as a single jar file from *http://www.junit.org*
        - It has to be kept in the classpath of the application to be tested

Junit - an open source testing framework

JUnit has these advantages:

- it's simple to use

- it can test a single class at a time, or a suite of tests can be created for a group of classes

- it *greatly* increases your confidence in the correctness of your code

- it often improves the design of the class you are testing - since you spend more time thinking about how an object is actually *used*, instead of its implementation, defects in its interface become more obvious.

Summary

- Introduction to JUnit

Thank You