



Ain Shams University - Faculty of Engineering
Computer and Systems Engineering Program
CSE337s: Software Testing – Spring 2023
Lab 4

Lab 4 – Integration Testing

What are the Integration testing Techniques?

INTEGRATION TESTING is defined as a type of testing where software modules are integrated logically and tested as a group

The **Integration Testing Techniques** are mainly categorized into three parts which are:

- Top-Down Approach
- Bottom-Up Approach
- Sandwich Approach – Combination of Top Down and Bottom Up

Given the java program @

<https://www.programming9.com/programs/java/344-java-code-for-coffee-machine>,

to implement the functionality of Coffee machine

1. Download the given Java program
2. Use Junit to apply integration testing by
 - a. Top-Down Approach
 - b. Bottom-Up Approach