7. JUnit program that demonstrates how dynamic tests are created in JUnit:

import org.junit.jupiter.api.\*;

import java.util.Arrays;

import java.util.List;

public class DynamicTestExample {

@TestFactory

public List<DynamicTest> testAddition() {

Calculator calculator = new Calculator();

List<Integer> numbers = Arrays.asList(2, 3, 4);

List<Integer> expectedResults = Arrays.asList(5, 6, 7);

return DynamicTest.stream(numbers.iterator(),

input -> "Testing addition with " + input,

input -> {

int result = calculator.add(input, 3);

Assertions.assertTrue(expectedResults.contains(result),

() -> "Expected " + expectedResults + ", but got " + result);

});

}

}

class Calculator {

public int add(int a, int b) {

return a + b;

}

}