

Lab Final Exam

Saud Khan

Fa21-bse-033

Part 1:

Pick any algorithm of your choice and using EP boundary value analysis and write 5 test cases(effective) and automate with Junit.


Algorithm for Estimating Shipping Cost


Test Cases:

Test Case	Description	Input	Expected Output	Actual
TC1	Low weight and short distance	totalWeight = 3.0, distance = 30.0	10.0	10
TC2	Medium weight and medium distance	totalWeight = 15.0, distance = 100.0	30.0	30
TC3	High weight and long distance	totalWeight = 25.0, distance = 250.0	60.0	60
TC4	Boundary: Weight exactly at lower limit	totalWeight = 5.0, distance = 30.0	10.0	10
TC5	Boundary: Distance exactly at upper limit	totalWeight = 20.0, distance = 200.0	30.0	30

TC1:

org.example:LABFINALQ1:jar:1.0-SNAPSHOT (Unit) ×

 **Tests passed: 100.00 %**

 The test passed. (0.046 s)

Test: Low weight (3.0 kg) and short distance (30.0 km)
Expected: \$10.00, Actual: \$10.00

And similar all the test cases passed.

Part 2:

Automating the Subexpert Other modules.