Unit Test Report

(revised on 03/31/2019)

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| Project Name | Homework | Project No. | | | | xx-001 | |
| Test Unit | Add\_two\_ints service | | | | | | |
| Unit Discription | Add\_two\_ints is a service provided by the package beginner\_tutorials, it implements the sum of two numbers. | | | | | | |
| Git Repo | git@github.com:dongqingling/homework-ros.git | | | | | | |
| Unit Code | .../src/add\_two\_ints\_server.cpp | | Test code | | .../test/add\_two\_ints\_service\_client.cpp | | |
| Test Item | Test Case | | | Test Result | | | Comments |
| 1 | Input: Positive + Positive Output: Positive  e.g.: input 5+8 expect: 13 | | | pass | | |  |
| 2 | Input: Negative + Negative Output: Negative  e.g.: input (-5)+(-8) expect: -13 | | | pass | | |  |
| 3 | Input: Positive + Negative Output: Negative  e.g.: input 5+(-8) expect: -3 | | | pass | | |  |
| 4 | Input: Positive + Negative Output: Positive  e.g.: input (-5) +8 expect: 3 | | | pass | | |  |
| 5 | Input: Zero + Positive Output: Positive  e.g.: input 0 + 8 expect: 8 | | | pass | | |  |
| 6 | Input: Zero + Negative Output: Positive  e.g.: input 0 + (-5) expect: -5 | | | pass | | |  |
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| Tester: dongqing ling | | | | Date: 03/31/2019 | | | |