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| **Equivalence Class Design** | | | | | | | | | |
| **Valid EC** |  |  |  |  | | **Invalid EC** | |  |  |
| **EC ID** | **Condition** | | | |  | **EC ID** | **Condition** | | |
| EC1 | {salary: 1000 ≤ salary ≤ 5000} | | | |  | EC4 | {salary: salary < 1000} | | |
| EC2 | {ot: 300 ≤ ot ≤ 800} | | | |  | EC5 | {salary: salary > 5000} | | |
| EC3 | {bonus: 500 ≤ bonus ≤ 3000} | | | |  | EC6 | {ot: ot < 300} | | |
|  |  | | | |  | EC7 | {ot: ot > 800} | | |
|  |  | | | |  | EC8 | {bonus: bonus < 500} | | |
|  |  | | | |  | EC9 | {bonus: bonus > 3000} | | |
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| **Test Case Design and Test Results** | | | | | | | | | | | | | |
|  |  | | | |  |  |  |  | |  |  | | |
| **Project Name:** | Income | | | | | | | **Project ID:** | | 1.00 | | | |
| **Test Strategy:** | Strong Robust Equivalence Class Testing | | | | | | | **Designer:** | | เกรียงไกร 663380616-4 | | | |
| **Test Environment:** | | **Eclipse,Junit5** | | | | | | | | | | | |
|  |  | | | |  |  |  |  | |  |  | | |
| **Test Case ID** | **Input** | | | **Expected Result** | | | | | **Actual Result** | | | **Status (Pass/Fail/No run)** |
| salary | ot | bonus |
| **TC01** | **3000** | **500** | **1000** | **67000.0** | | | | | **65000.0** | | | **Fail** |
| **TC02** | **1000** | **500** | **1000** | **26000.0** | | | | | **45000.0** | | | **Fail** |
| **TC03** | **5000** | **500** | **1000** | **67000.0** | | | | | **85000.0** | | | **Fail** |
| **TC04** | **3000** | **3000** | **1000** | **43000.0** | | | | | **59000.0** | | | **Fail** |
| **TC05** | **3000** | **800** | **1000** | **103000.0** | | | | | **74000.0** | | | **Fail** |
| **TC06** | **3000** | **500** | **500** | **41000.0** | | | | | **55000.0** | | | **Fail** |
| **TC07** | **3000** | **500** | **3000** | **107000.0** | | | | | **105000.0** | | | **Fail** |
| **TC08** | **999** | **500** | **1000** | **-1.0** | | | | | **-1.0** | | | **Pass** |
| **TC09** | **5001** | **500** | **1000** | **-1.0** | | | | | **85010.0** | | | **Fail** |
| **Test Case ID** | **Input** | | | **Expected Result** | | | | | **Actual Result** | | | **Status (Pass/Fail/No run)** |
| salary | ot | bonus |
| **TC10** | **3000** | **299** | **1000** | **-1.0** | | | | | **-1.0** | | | **Pass** |
| **TC11** | **3000** | **801** | **1000** | **-1.0** | | | | | **74030.0** | | | **Fail** |
| **TC12** | **3000** | **500** | **499** | **-1.0** | | | | | **-1.0** | | | **Pass** |
| **TC13** | **3000** | **500** | **3001** | **-1.0** | | | | | **105020.0** | | | **Fail** |
| **TC14** | **999** | **299** | **1000** | **-1.0** | | | | | **-1.0** | | | **Pass** |
| **TC15** | **999** | **801** | **1000** | **-1.0** | | | | | **-1.0** | | | **Pass** |
| **TC16** | **5001** | **299** | **1000** | **-1.0** | | | | | **-1.0** | | | **Pass** |
| **TC17** | **5001** | **801** | **1000** | **-1.0** | | | | | **94040.0** | | | **Fail** |
| **TC18** | **999** | **500** | **499** | **-1.0** | | | | | **-1.0** | | | **Pass** |
| **TC19** | **999** | **500** | **3001** | **-1.0** | | | | | **-1.0** | | | **Pass** |
| **TC20** | **5001** | **500** | **499** | **-1.0** | | | | | **-1.0** | | | **Pass** |
| **TC21** | **5001** | **500** | **3001** | **-1.0** | | | | | **125030.0** | | | **Fail** |
| **TC22** | **3000** | **299** | **499** | **-1.0** | | | | | **-1.0** | | | **Pass** |
| **TC23** | **3000** | **299** | **3001** | **-1.0** | | | | | **-1.0** | | | **Pass** |
| **TC24** | **3000** | **801** | **499** | **-1.0** | | | | | **-1.0** | | | **Pass** |

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| **Test Case ID** | **Input** | | | **Expected Result** | **Actual Result** | **Status (Pass/Fail/No run)** |
| salary | ot | bonus |
| **TC25** | **3000** | **801** | **3001** | **-1.0** | **114050.0** | **Fail** |
| **TC26** | **999** | **299** | **499** | **-1.0** | **-1.0** | **Pass** |
| **TC27** | **5001** | **801** | **3001** | **-1.0** | **134060.0** | **Fail** |

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| **Scenario ID** | **Scenario Name** | **Test Case#** | **Pass** | **Fail** | **No run** | **Block** | **Remark** | **Defect ID** |
| EC-Lab5-01 | Income | 27 | 13 | 14 |  |  |  | DF01-DF14 |
| **รวม** | | 27 | 13 | 14 |  |  |  |  |