# Testing Document

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# Introductory Exercises

## Adding Two Numbers

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Expected Output** | **Actual Output** | **Passed?** |
| Example: 10 + 5 | 15 | 15 | Passed |
| 11.2 + 5 | 16.2 | 16.2 | passed |
| 3.1 + 2.7 | 5.8 | 5.8 | passed |

## Fibonacci

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Expected Output** | **Actual Output** | **Passed?** |
| Example: 4 | 0, 1, 1, 2 | 0, 1, 1, 2 | Passed |
| 9 | 0,1,1,2,3,5,8,13,21 | 0,1,1,2,5,8,13,21 | passed |
| 1 3 | 0,1,1,2,3,5,8,13,21,34,55,89,144 | 0,1,1,2,3,5,8,13,21,34,55,89,144 | passed |

## FizzBuzz

|  |  |  |  |
| --- | --- | --- | --- |
| Test | **Expected Output** | **Actual Output** | **Passed?** |
| Example: 3 | Fizzbuzz, 1, 2, Fizz | Fizzbuzz, 1, 2, Fizz | Passed |
| 9 | Fizzbuzz, 1, 2, Fizz, 4, Buzz, Fizz, 7, 8, Fizz | Fizzbuzz, 1, 2, Fizz, 4, Buzz, Fizz, 7, 8, Fizz | passed |
| 15 | FizzBuzz, 1, 2, Fizz, 4, Buzz, Fizz, 7, 8, Fizz, Buzz, 11, Fizz, 13, 14, FizzBuzz | FizzBuzz, 1, 2, Fizz, 4, Buzz, Fizz, 7, 8, Fizz, Buzz, 11, Fizz, 13, 14, FizzBuzz | passed |

## Sum of Array

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Expected Output | Actual Output | Passed? |
| Example: 3,4 | 7 | 7 | passed |
| 2,4,5,6,7 | 24 | 24 | passed |
| 12,60,40 | 112 | 112 | passed |

## Sorting an Array

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Expected Output | Actual Output | Passed? |
| Example 4,6,12 | 12,6,4 | 12,6,4 | passed |
| 54,45,2,10 | 54,45,10,2 | 54,45,10,2 | Passed |
| 2,4,6,8,5 | 8,6,5,4,2 | 8,6,4,2 | passed |
| 1,2,3,4,5 | 5,4,3,2,1 | 5,4,3,2,1 | passed |

## Alphabetize

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Expected Output | Actual Output | Passed? |
| Example:  6  Cat  Dog  Frog  Lion  Panda  monkey | Cat  dog,  rog,  lion  monkey  panda | Cat  Dog  frog,  lion  monkey  panda | passed |
| 4  Man  Bike  Racecar  Treestump | Bike  Man  Racecar  Treestump | Bike  Man Racecar  Treestump | passed |
| 10  scare  Value  Collar  Hissing  Bells  pies,  shaggy  permissible  overconfident  rock | bells  collar  hissing  overconfident  permissible  pies  rock  scare  shaggy  value | bells  collar  hissing  overconfident  permissible  pies  rock  scare  shaggy  value | passed |

## Say Greetings

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Expected Output | Actual Output | Passed? |
| Example: Person1  p1.SayGreeting(); | Name, phone, email | Name, phone, email | Passed |
| Doctor 1  P2.SayGreeting(); | “Fred”,”0459823”, “fred@outlook.com” | “Fred”,”0459823”, “fred@outlook.com” | Passed |
| Doctor 2  P3.SayGreeting(); | “Ted”, “50,000”, “TedBear@something.com” | “Ted”, “50,000”, “TedBear@something.com” | Passed |

# Adventure game

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Expected Output | Actual Output | Passed? |
| Example  Room r = new Room(); r.AddGameObject(p);  r.AddGameObject(e);  r.AddGameObject(pu); | Objects[] {p, e, pu} | Objects[] {p, e, pu} | Passed |
| Room r = new Room(); r.AddGameObject(p);  r.AddGameObject(e);  r.AddGameObject(pu);  r.RemoveObject(p); | Objects[]  {e,pu} | Objects[]  {e,pu} | Passed |
| Room r = new Room(); r.AddGameObject(p);  r.AddGameObject(e);  r.AddGameObject(pu);  r.RemoveObject(p);  r.RemoveObject(e); | Object[]  {pu} | Object[]  {pu} | Passed |