# Testing Document

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# Introductory Exercises

## Adding Two Numbers

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Expected Output** | **Actual Output** | **Passed?** |
| Example: 10 + 5 | 15 | 15 | Passed |
| 10 + 10 | 20 | 20 | Passed |
| 20 + 1000 | 1020 | 1020 | Passed |

## Fibonacci

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Expected Output** | **Actual Output** | **Passed?** |
| Example: 4 | 0, 1, 1, 2 | 0, 1, 1, 2 | Passed |
| 5 | 0, 1, 1, 2, 3 | 0, 1, 1, 2, 3 | Passed |
| 6 | 0,1,1,2,3,5 | 0,1,1,2,3,5 | Passed |

## FizzBuzz

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Expected Output** | **Actual Output** | **Passed?** |
| 3 | Fizz | Fizz | Yes |
| 5 | Buzz | Buzz | Yes |
| 15 | FizzBuzz | FizzBuzz | yes |

## Sum of Array

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Expected Output** | **Actual Output** | **Passed?** |
| 1,2,3,4,7,7,7,8 | 39 | 39 | Yes |
| 1,5,9,8,7,5,3,2,2,2 | 44 | 44 | Yes |
| 9,8,7,6,5,5,5,4,3,2,1 | 55 | 55 | yes |

## Sort Array

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Expected Output** | **Actual Output** | **Passed?** |
| 5,4,78,62 | 78,62,5,4 | 78,62,5,4 | Yes |
| 109,451,869,201 | 869,451,201,109 | 869,451,201,109 | Yes |
| 809,630,587,111,112 | 809,630,587,112,111 | 809,630,587,112,111 | yes |

## Serialize Words

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Expected Output** | **Actual Output** | **Passed?** |
| 13  volatile  vegetable  doubtful  amuse  women  chin  inconclusive  maniacal  real  smiling  bright  grade | amuse  bright  chin  doubtful  grade  inconclusive  maniacal  real  smiling  vegetable  volatile  women | amuse  bright  chin  doubtful  grade  inconclusive  maniacal  real  smiling  vegetable  volatile  women | Yes |
| 13  money  hideous  innocent  bit  unaccountable  challenge  four  zinc  wax  bucket  preach  pet | bit  bucket  challenge  four  hideous  innocent  money  pet  preach  unaccountable  wax  zinc | bit  bucket  challenge  four  hideous  innocent  money  pet  preach  unaccountable  wax  zinc | Yes |
| 13  kind  haunt  acid  entertain  statement  ugliest  religion  confuse  learned  explode  voracious  shaggy | acid  confuse  entertain  explode  haunt  kind  learned  religion  shaggy  statement  ugliest  voracious | acid  confuse  entertain  explode  haunt  kind  learned  religion  shaggy  statement  ugliest  voracious | yes |

## Greetings

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Expected Output** | **Actual Output** | **Passed?** |
| p1.SayGreeting(); | Hello, I'm Bob | Hello, I'm Bob | Yes |
| p2.SayGreeting(); | Hello, I'm Dr. Fred | Hello, I'm Dr. Fred | Yes |
| p3.SayGreeting(); | Hello, I'm Dr. Ted | Hello, I'm Dr. Ted | yes |

## Adventure Game

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Expected Output** | **Actual Output** | **Passed?** |
| Player p = new Player();  Room r = new Room();  r.AddObject(p);  r.AddObject(new Powerup());  r.RemoveObj(p); | [0] = Powerup  [1] = null  [2] = null | [0] = Powerup  [1] = null  [2] = null | Yes |
| Player p = new Player();  Powerup pu = new Powerup());  Room r = new Room();  r.AddObject(p);  r.AddObject(new Powerup());  r.RemoveObj(p);  r.RemoveObj(pu); | [0] = null  [1] = null  [2] = null | [0] = null  [1] = null  [2] = null | Yes |
| Player p = new Player();  Powerup pu = new Powerup());  Room r = new Room();  r.AddObject(p);  r.AddObject(new Powerup()); | [0] = Player  [1] = Powerup  [2] = null | [0] = Player  [1] = Powerup  [2] = null | yes |