# Testing Document

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# Introductory Exercises

## 1 Adding Two Numbers

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Expected Output** | **Actual Output** | **Passed?** |
| 1.1 + 3.89 | 4 | 4 | Passed |
| 2.0f + 6.0f | 8 | 8 | Passed |
| -18.0f + -42.0f | -60 | -60 | Passed |
| 8.69f + 17.24f | 25 | 25 | Passed |

## 2 Fibonacci

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Expected Output** | **Actual Output** | **Passed?** |
| 4 | 0, 1, 1, 2 | 0, 1, 1, 2 | Passed |
| 12 | 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89 | 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89 | Passed |
| 20 | 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233, 377, 610, 987, 1597, 2584, 4181 | 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233, 377, 610, 987, 1597, 2584, 4181 | Passed |

## 3 FizzBuzz

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Expected Output** | **Actual Output** | **Passed?** |
| 16 | 1  2  Fizz  4  Buzz  Fizz  7  8  Fizz  Buzz  11  Fizz  13  14  FizzBuzz  16 | 1  2  Fizz  4  Buzz  Fizz  7  8  Fizz  Buzz  11  Fizz  13  14  FizzBuzz  16 | Passed |
| 5 | 1  2  Fizz  4  Buzz | 1  2  Fizz  4  Buzz | Passed |
| 30 | 1  2  Fizz  4  Buzz  Fizz  7  8  Fizz  Buzz  11  Fizz  13  14  FizzBuzz  16  17  Fizz  19  Buzz  Fizz  22  23  Fizz  Buzz  26  Fizz  28  29  FizzBuzz | 1  2  Fizz  4  Buzz  Fizz  7  8  Fizz  Buzz  11  Fizz  13  14  FizzBuzz  16  17  Fizz  19  Buzz  Fizz  22  23  Fizz  Buzz  26  Fizz  28  29  FizzBuzz | Passed |

## 4 Sum of Array

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Expected Output** | **Actual Output** | **Passed?** |
| 1, 2, 3 | 6 | 6 | Passed |
| 4, 18, 35, 1, 2, 3, 4, 6 | 73 | 73 | Passed |
| 100, 200, 350, 90 | 740 | 740 | Passed |

## 5 Sorting an Array

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Expected Output** | **Actual Output** | **Passed?** |
| 1,2,5,3,4 | 5, 4, 3, 2, 1 | 5, 4, 3, 2, 1 | Passed |
| 18, 52, 12, -15, 38, 154, 81, 93, -140 | 154, 93, 81, 52, 38, 18, 12, -15, -140 | 154, 93, 81, 52, 38, 18, 12, -15, -140 | Passed |
| -3500, 2134, 18203, -84, 6087, 54, -1205, 6705402 | 6705402, 18203, 6087, 2134, 54, -84, -1205, -3500 | 6705402, 18203, 6087, 2134, 54, -84, -1205, -3500 | Passed |

## 6 Alphabetize

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Expected Output** | **Actual Output** | **Passed?** |
| 13  spillway  fishmonger  bankbook  eyesight  wheelhouse  keyword  pinup  uppercut  washbowl  deadend  coffeemaker  houseboat  typewriter | bankbook  coffeemaker  deadend  eyesight  fishmonger  houseboat  keyword  pinup  spillway  typewriter  uppercut  washbowl  wheelhouse | bankbook  coffeemaker  deadend  eyesight  fishmonger  houseboat  keyword  pinup  spillway  typewriter  uppercut  washbowl  wheelhouse | Passed |
| 12  omniscient  tire  decide  premium  imported  stem  infamous  difficult  lean  screw  panicky  wail | decide  difficult  imported  infamous  lean  omniscient  panicky  premium  screw  stem  tire  wail | decide  difficult  imported  infamous  lean  omniscient  panicky  premium  screw  stem  tire  wail | Passed |
| 8  cushion  hungry  smooth  fretful  creator  aquatic  disastrous  incandescent | aquatic  creator  cushion  disastrous  fretful  hungry  incandescent  smooth | aquatic  creator  cushion  disastrous  fretful  hungry  incandescent  smooth | Passed |

## 7 Greetings

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Expected Output** | **Actual Output** | **Passed?** |
| New function added in Doctor.cs.    *public void DeliverPrognosis(Person patient)*  *{*  *Console.WriteLine($"Hello {patient.personName}, I am Dr. {personName}. I'm sorry but I'm afraid you only have three months live.");*  *}*  Called from Program.cs:  p4.DeliverPrognosis(p1); | Hello Bob, I am Dr. Herb. I'm sorry but I'm afraid you only have three months live. | Hello Bob, I am Dr. Herb. I'm sorry but I'm afraid you only have three months live. | Passed |
| New function added in Person.cs  *public virtual void SalaryBoast()*  *{*  *Console.WriteLine($"{personName}: Are you kidding me? Fix me damn it. How much $$ do you want?? I'll pay whatever you want. I make {salary} a year.");*  *}*  Override function added in Doctor.cs  *public override void SalaryBoast()*  *{*  *Console.WriteLine($"Dr. {personName}: Stop flexing bro. That's nothing. I make {salary} a year.");*  *}* | Bob: Are you kidding me? Fix me damn it. How much $$ do you want?? I'll pay whatever you want. I make 50,000 a year.  Dr. Herb: Stop flexing bro. That's nothing. I make 123,000 a year. | Bob: Are you kidding me? Fix me damn it. How much $$ do you want?? I'll pay whatever you want. I make 50,000 a year.  Dr. Herb: Stop flexing bro. That's nothing. I make 123,000 a year. | Passed |