

## Array Homework

Please submit **array\_hw.txt** with answers to the following questions:

Out of 10:

1. Can one array hold `ints` and `Strings`? +1
2. Give an example of when you would use an array. +1
3. Do arrays start at index 1? If not, what index do they start at? +1
4. What does an `Array Index Out of Bounds Exception` mean? +1
5. Write code that will: +2
  - a. Declare an `int` array named `nums`
  - b. Assign `nums` to an empty `int` array of size 12
  - c. Assign the value 37 to index 3 of `nums`
6. Write code that will: +2
  - a. Initialize a `String` array named `fruits` to contain, in this order:
    - i. apple, apple, pear, kiwi, strawberry, apple
  - b. Print the length of `fruits`
7. Write code that will: +2
  - a. Initialize a `double` array named `heights` to contain, in this order:
    - i. 5.2, 5.4, 6.3, 4.9
  - b. Print the element at index 3 of `heights`