

C# .NET Software Engineer coding assessment V6

[About Test]

- Overview
 - Implement the following RESTful endpoints.
 - Submit
 - Zip the source code only (exclude bin, obj folders)
 - Send email
- Technical Environment
 - Asp.NET Core
 - RESTful APIs
 - Visual Studio 2019 compatible
- Assessment Point
 - Precise Input & Output
 - Efficient C# Array data manipulation
 - Try to finish under 2 hours (Max 3 hours)
- Coding Guideline
 - No documentation required
 - Write Unit Tests
 - Apply simple structure with
 - ArrayCalcController
 - Apply Asp.NET Core IoC
 - IProductService / ProductService

[Questions]

- Question 1
 - Browser Input
`/api/arraycalc/reverse?productIds=1&productIds=2&productIds=3&productIds=4&productIds=5`
 - Browser Result
`[5, 4, 3, 2, 1]`
 - Condition
 - Implement with pure array manipulation
 - Don't use `Array.reverse()` method
 - Don't use Linq
- Question 2
 - Browser Input
`/api/arraycalc/deletpart?position=3&productIds=1&productIds=2&productIds=3&productIds=4&productIds=5`
 - Browser Result
`[1, 2, 4, 5]`
 - Condition
 - Implement with pure array manipulation
 - Don't use `RemoveAt`
 - Don't use Linq