Assignment D Lab Book

# Week 4 – Lab D

## Q1. Object Parser

Copy the data to an output file.

Solution:

Sample Output:

### Test data:

### **Reflection:**

### Metadata:

N/A

### Further information:

N/A

## Q2. Object Parser (recursive)

Solution (a):

Sample Output

Test Data:

N/A

Reflections:

## Q3. Object Parser Comparison

## Q4. Tuples

**Sample Output :**

**Test Data:**

Reflections:

## Q5. Span and arrays

Open your solution to the Parsing exercise in Visual Studio. Set a break point in the code and execute the program, so that it halts on the break point.

## Q6. Optimizer

Now that you’re more familiar with assembly code, jump back to your optimized Quadratic code in the Timer project.

Disassembly your solution, this time in Release mode.

Are you able to get a rough understanding of how the optimizer has compiled your C++?

You may find it easier to look at x86 code rather than x64.

Jot down in your log book anything significant that you discover