

## **CMPE-250 Laboratory Exercise 8**

### **Multiprecision Arithmetic**

By submitting this report, I attest that its contents are wholly my individual writing about this exercise and that they reflect the submitted code. I further acknowledge that permitted collaboration for this exercise consists only of discussions of concepts with course staff and fellow students; however, other than code provided by the instructor for this exercise, all code was developed by me.

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Chris Larson

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Lab Section 2

Instructor: Muhammad Shaaban

TA: Sebastian Echeverria

Anthony Bacchetta

Sahil Gogna

Lecture Section 01

Professor: Alessandro Sarra

## Documentation

AddIntMultiU : Address: 0x0000028d Size: 100

GetHexIntMulti : Address: 0x000002f1 Size: 100

Main : Address: 0x00000101 Size 106

PutHexIntMulti : Address: 0x00000355 Size: 56

```
Enter first 128-bit hex number: 0xthisdoesntwork
Invalid number--try again: 0xef
Invalid number--try again: 0x11111111111111111111111111111111
Enter 128-bit hex number to add: 0x22222222222222222222222222222222
Sum: 0x333333333333333333333333333333333333333333333333333
Enter first 128-bit hex number: 0xf0000000000000000000000000000000
Enter 128-bit hex number to add: 0x10000000000000000000000000000000
Sum: 0xOVERFLOW
Enter first 128-bit hex number: 0x12341234123412341234123412341234
Enter 128-bit hex number to add: 0x432143214123guhdfaugh
Invalid number--try again: 0x9876543219876543219876543211111
Sum: 0xAAAA66662BBB7777344D999955552345
Enter first 128-bit hex number: 0x
```