

**CMPE-250 Laboratory Exercise 6**  
**Secure String I/O and Number Output**

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

Performed 18 September 2018

Submitted 25 September 2018

Lab Section 2

Instructor: Muhammad Shaaban

TA: Sebastian Echeverria

Anthony Bacchetta

Sahil Gogna

Lecture Section 01

Professor: Alessandro Sarra

## Documentation



```
COM28 - PuTTY
Type a string command(g,i,l,p):G
<what the hey now
Type a string command(g,i,l,p):P
>what the hey now>
Type a string command(g,i,l,p):L
Length:16
Type a string command(g,i,l,p):I
Type a string command(g,i,l,p):P
>>
Type a string command(g,i,l,p):L
Length:0
Type a string command(g,i,l,p):
```

### Memory Ranges

MyCode AREA- Starting-0x00000410 Last- 0x00000670

Constants - Starting-0x000003b0 Last- 0x000003dc

Variables- Starting- 0x1ffe100 Last- 0x1ffe87c

1. The number of user-typed characters stored in the string has to be one fewer than the number allocated for the string so that the null character can be stored at the end.
2. MAX\_STRING needed to be defined as an EQUate rather than as a DCD in the MyContr AREA because EQUates do not take up memory, and DCD does take up memory.