

# CS 105 – Introduction to Scientific Computing

## Assignment 7 – Tracing For Loops

### Objectives

After completing this assignment you should be able to:

1. Trace the execution of scripts containing *for* loops

### Overview

There are many problems that involve repeating an action, or set of actions, several times. Instead of writing the set of commands several times we can *loop* through these commands. Each time we execute the commands we may want to do it *for* a different value.

*For loops* provide a mechanism to do a set of commands *for* different values. In the case of Matlab, these values come from a vector

```
for i=vector
    %commands to use in the loop
end
```

### Part I: Textbook Exercises

Section 4.7

- #4.7

### Submission

Submit a PDF file/report with solution(s).