

Laboratory 1

COMSC-122

Fall 2017

Logging Into Canvas

← → ↻ www.losmedanos.edu/onlineclasses/default.asp ☆

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CANVAS


The Contra Costa Community College District will transition from D2L to the Canvas course management system. Beginning in Summer 2017, Canvas will be the only course management system for online, hybrid, and in-person courses. Visit the [Canvas Transition](#) page for more information about the D2L-to-Canvas transition timeline at LMC.

STUDENT CANVAS ACCOUNTS

- ▶ Your Canvas courses for the current semester will appear on your Canvas Dashboard on **the first day of classes**.
- ▶ Your instructor will specify if they are using Canvas for the current semester.
- ▶ If you are enrolled in a LMC course, you already have a Canvas account.
- ▶ **Need Canvas help?** Contact the Canvas 24/7 Support team at 844-303-5587.

LOGGING IN TO CANVAS

- ▶ Students and faculty: click on the banner below to access Canvas, or go directly to <https://losmedanos.instructure.com>.
- ▶ Log in to your Canvas account with your InSite username and password.
- ▶ The latest versions of [Chrome](#), [Firefox](#), and Safari are the recommended browsers for using Canvas.
- ▶ **Note:** Any changes made to your [InSite](#) account, such as resetting your password or adding/dropping a course, will be updated in Canvas in three hours.



canvas


LOGIN NOW

Click on the Course Labeled COMSC-122

The screenshot shows a web browser window with the address bar displaying <https://losmedanos.instructure.com>. The page title is "User Dashboard". The main content area is titled "Dashboard" and features three course cards. The left sidebar contains navigation links: Account, Dashboard, Courses, Calendar, Inbox, Commons, and Help.

Course ID	Course Name	Term
COMSC-044-0910	0910 - Intro to C++ Prgrmming	Fall 2017
COMSC-122-0940	0940 - Prgrm Cncpts & Methodolo...	Fall 2017
COMSC-122-0950	0950 - Prgrm Cncpts & Methodolo...	Fall 2017

Canvas Opening Screen



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 2 Assignment Notifications [SHOW MORE](#)

Click On Assignments







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Search for Assignment


Show by:

Date


Type

▼ Upcoming Assignments


 **Laboratory01**
Available until Aug 16 | Due Aug 16 at 12:30pm | -/10 pts

 **Homework01**
Available until Aug 21 | Due Aug 21 at 11am | -/10 pts


▼ Undated Assignments

 **Roll Call Attendance**
-/100 pts

▼ Past Assignments

 **Coding Aptitude Test**
Available until Aug 23 | Due Aug 14 at 12:30pm | -/12 pts

Click on Laboratory01



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
LMC Library


ConferNow

Search for Assignment


Show by: **Date** Type

▼ Upcoming Assignments


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After Completing Lab01, then Click Submit Assignment




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 [COMSC-122-0950](#) > [Assignments](#) > [Laboratory01](#)

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Laboratory01

Submit Assignment

Due Wednesday by 12:30pm **Points** 10 **Submitting** a file upload


Available Aug 16 at 9am - Aug 16 at 12:30pm about 4 hours


[Lab01-1.pdf](#)  


Please read Lab01 over, and then step through it. When you are done, call the instructor over so you can be given credit for your work.


Click on Choose File, and upload your program to Canvas


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Laboratory01

Due

Wednesday by 12:30pm

Points



10

Submitting

a file upload

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Aug 16 at 9am - Aug 16 at 12:30pm about 4 hours

[Lab01-1.pdf](#)  

Please read Lab01 over, and then step through it. When you are done, call the instructor over so you can be given credit for your work.

File Upload

Onedrive for Business

Upload a file, or choose a file you've already uploaded.

File:

Choose File

 No file chosen

[+ Add Another File](#)

Comments...

Cancel

Submit Assignment

Laboratory 01

- What you are being asked to do is to type in a program called: **chaos.py** , and then run the program in two different ways, in order to familiarize yourself with both of these possible methods.
- You will use the Windows Accessory “Notepad” to type in the script.
- Once typed in, you will run it in both of the ways shown in the notes that follow.
- Once you have made it run in both ways, call over the Instructor to show it to him so that you can get credit for completion of the Lab.
- Note: Case and spacing matter in Python so copy this code precisely.
- You’ll note that chaos is a function that jumps all around and never settles down in a predictable manner. So don’t let its chaotic output worry you.

Use Notepad to type in: chaos.py

[illegible]

Here are two easy ways you can run the program, chaos.py:

1. Through use of IDLE (Integrated DeveLopment Environment)
2. Directly from the Windows Explorer GUI
 - You must have set the pathway so that the operating system knows where the Python interpreter is located. for this method to work.

Method 1: The IDLE Programming Environment

- IDLE (Integrated Development Program): single program that provides tools to write, execute and test a program
 - Automatically installed when Python language is installed
 - Runs in interactive mode
 - Has built-in text editor with features designed to help write Python programs
- Right click on the Python file that you have created: chaos.py.
 - Now left click on **Edit with IDLE**
 - This will put you into the IDLE editor with your program displayed.

Running a Program in the IDLE Environment

- The program emerges ready to be Run.

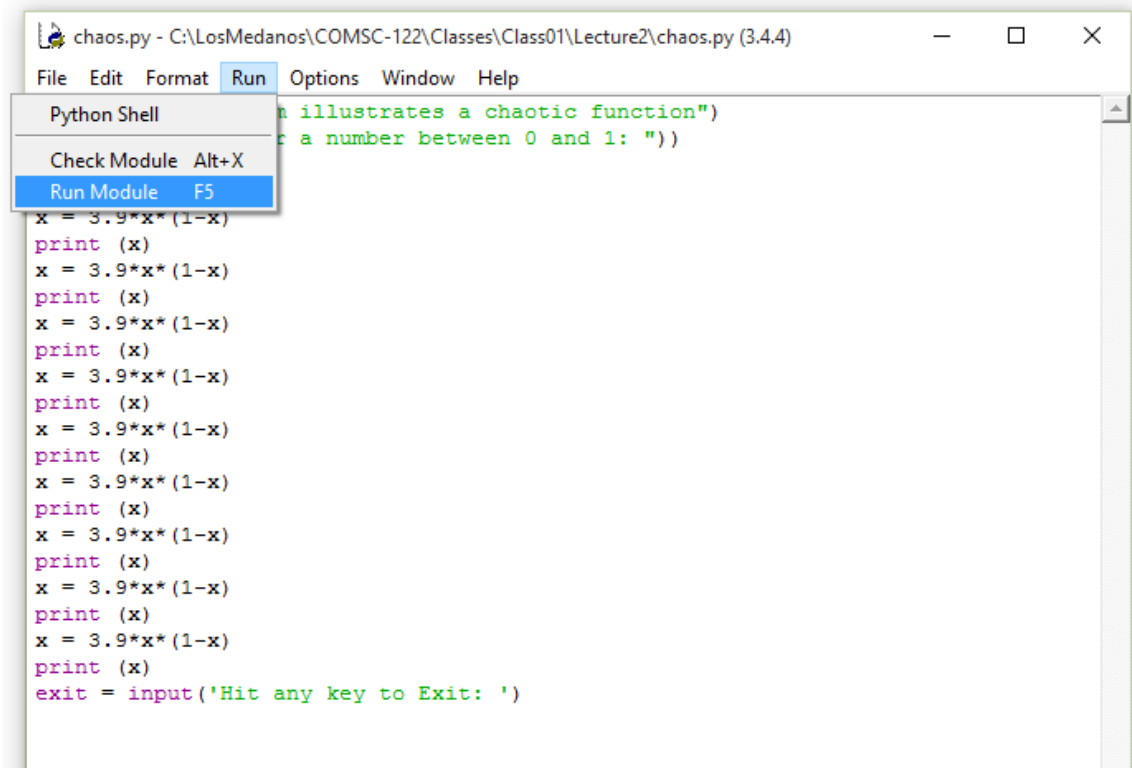
The screenshot shows a Windows command prompt window titled "chaos.py - C:\LosMedanos\COMSC-122\Classes\Class01\Lecture2\chaos.py (3.4.4)". The menu bar includes File, Edit, Format, Run, Options, Window, and Help. The script's output is as follows:

```
print("This program illustrates a chaotic function")  
x=eval(input("Enter a number between 0 and 1: "))  
x = 3.9*x*(1-x)  
print(x)  
x = 3.9*x*(1-x)  
print(x)  
x = 3.9*x*(1-x)  
print(x)  
x = 3.9*x*(1-x)  
print(x)  
x = 3.9*x*(1-x)  
print(x)  
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print(x)  
x = 3.9*x*(1-x)  
print(x)  
x = 3.9*x*(1-x)  
print(x)  
exit = input('Hit any key to Exit: ')
```

The user has entered "0.8" at the first prompt, and the program has printed the value 0.672 after the first iteration. The cursor is now positioned at the end of the final input line.

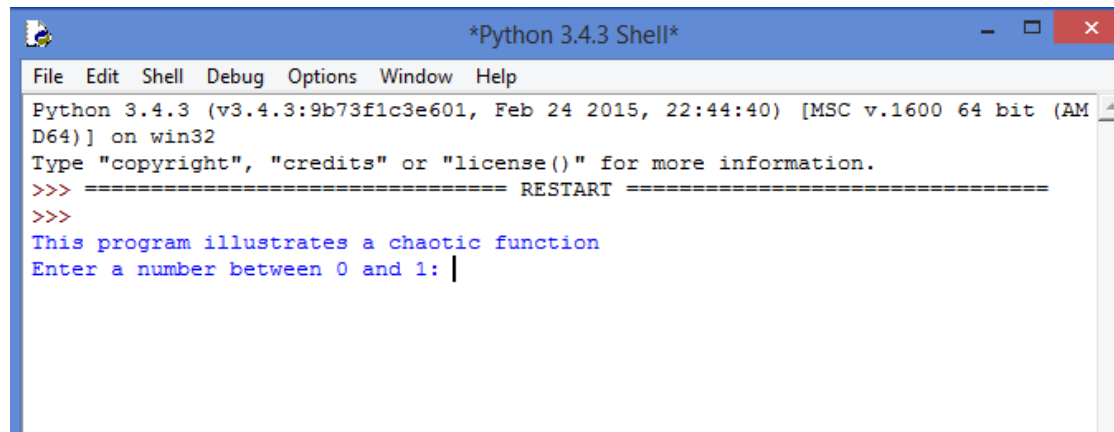
Running a Program in the IDLE Environment

- Click on Run/Run Module or strike F5 key.



Running a Program in the IDLE Environment

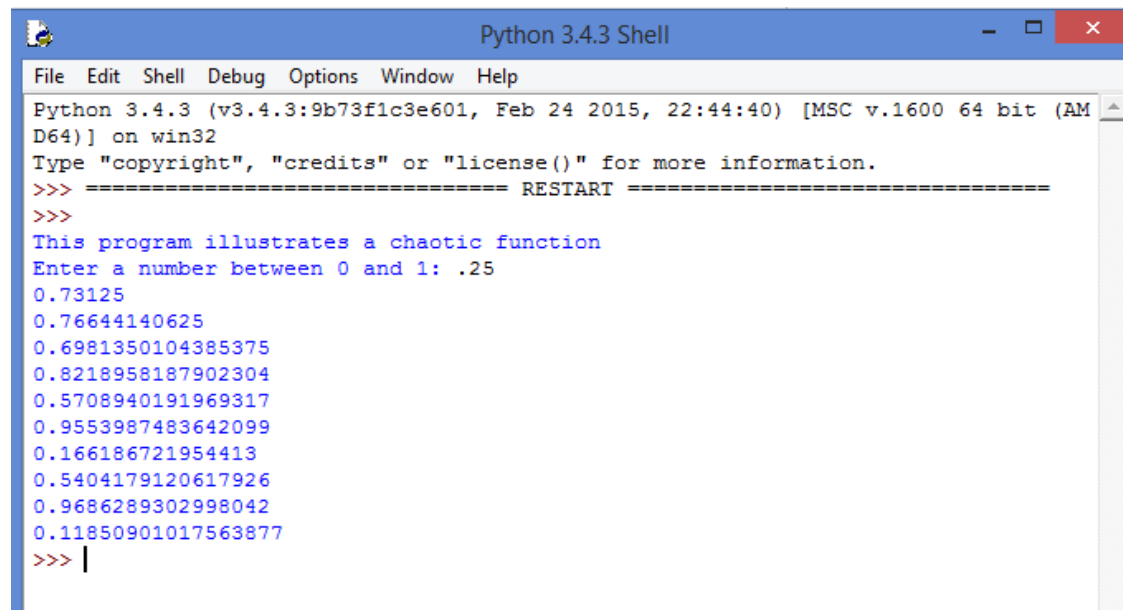
- Now the program executes and asks you to enter a number between 0 and 1.

A screenshot of a Python 3.4.3 Shell window. The window has a blue title bar with the text '*Python 3.4.3 Shell*' and standard window controls. Below the title bar is a menu bar with 'File', 'Edit', 'Shell', 'Debug', 'Options', 'Window', and 'Help'. The main text area shows the following output:

```
Python 3.4.3 (v3.4.3:9b73f1c3e601, Feb 24 2015, 22:44:40) [MSC v.1600 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> ===== RESTART =====
>>>
This program illustrates a chaotic function
Enter a number between 0 and 1: |
```

Running a Program in the IDLE Environment

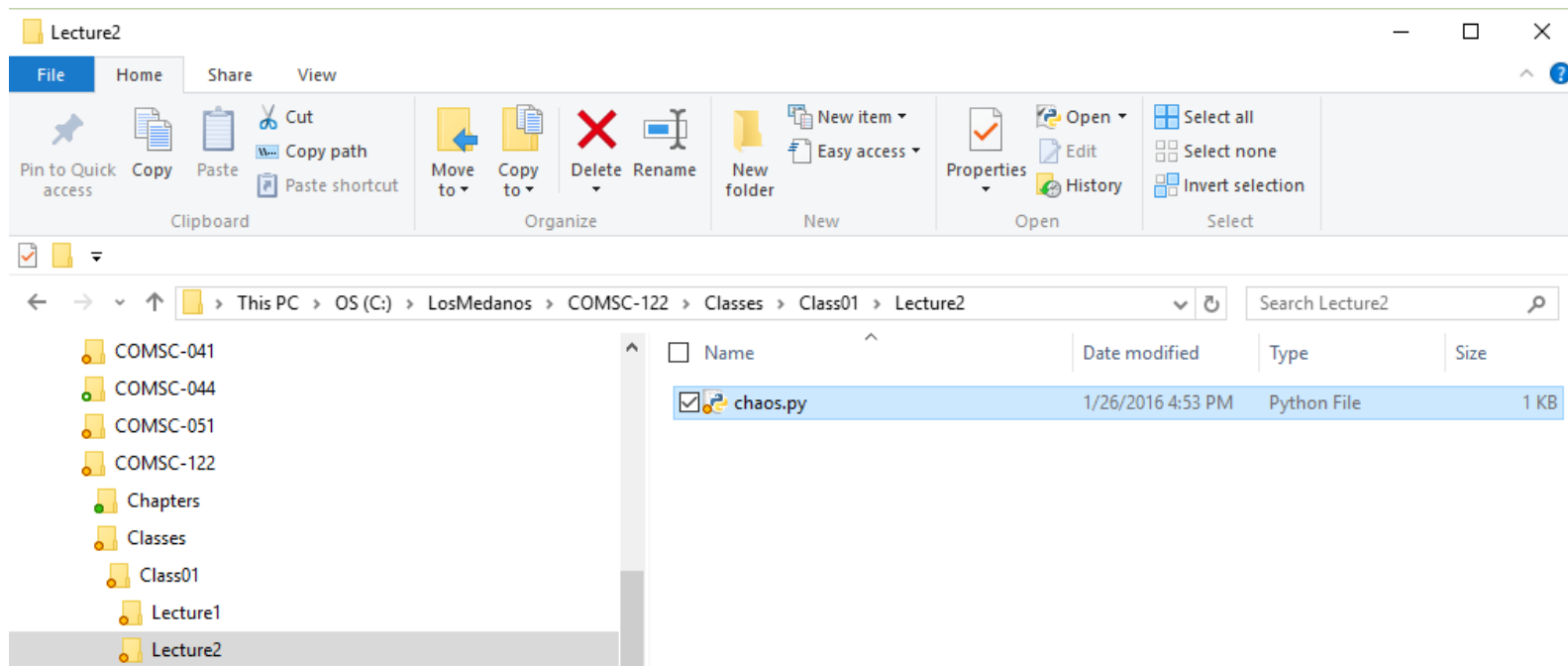
- We will type in .25 and hit Enter.
- 10 lines of output emerge from the program.

A screenshot of the Python 3.4.3 Shell window. The window has a blue title bar with the text "Python 3.4.3 Shell" and standard window controls. Below the title bar is a menu bar with "File", "Edit", "Shell", "Debug", "Options", "Window", and "Help". The main text area shows the following content:

```
Python 3.4.3 (v3.4.3:9b73f1c3e601, Feb 24 2015, 22:44:40) [MSC v.1600 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> ===== RESTART =====
>>>
This program illustrates a chaotic function
Enter a number between 0 and 1: .25
0.73125
0.76644140625
0.6981350104385375
0.8218958187902304
0.5708940191969317
0.9553987483642099
0.166186721954413
0.5404179120617926
0.9686289302998042
0.11850901017563877
>>> |
```


Method 2: Run Directly from Windows Explorer

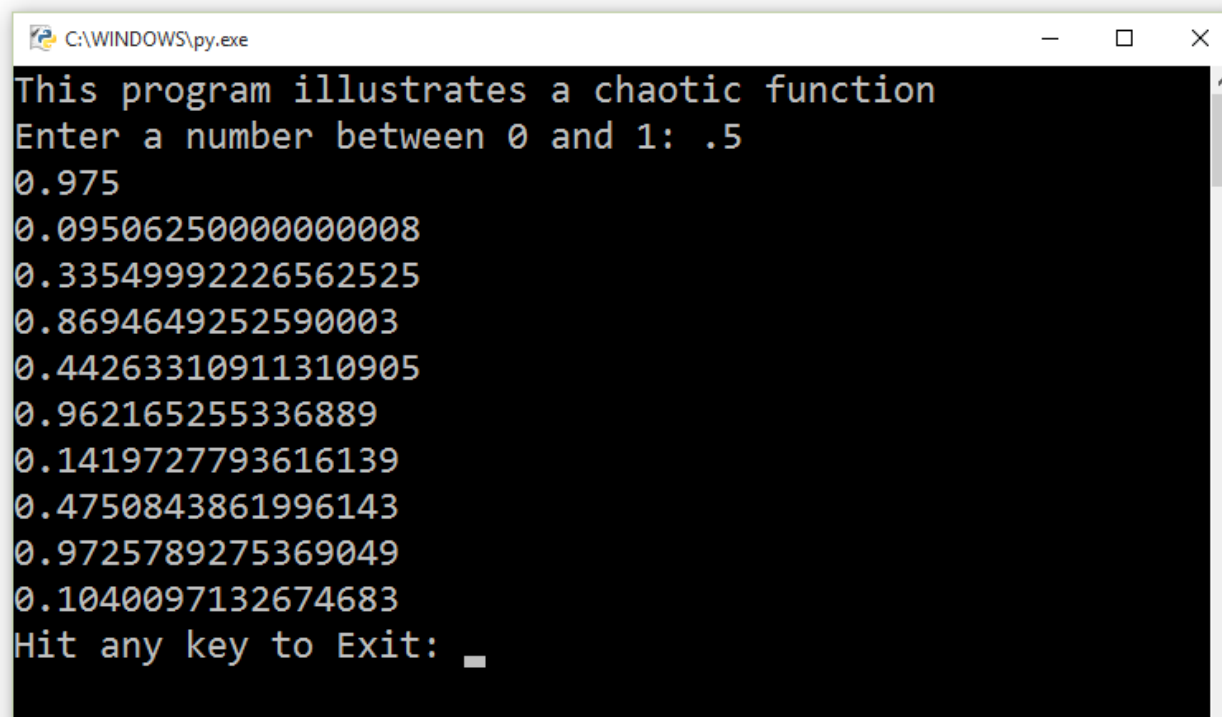
- Double click on chaos.py within Windows Explorer
 - In order to do this the Python Interpreter must be in the Pathway or this won't work.



The Console will Emerge and run the Program

- The key to holding this console on the screen is contained in the last line of the program:

`exit = input('Hit any key to Exit: ')`



```
C:\WINDOWS\py.exe
This program illustrates a chaotic function
Enter a number between 0 and 1: .5
0.975
0.09506250000000008
0.33549992226562525
0.8694649252590003
0.44263310911310905
0.962165255336889
0.1419727793616139
0.4750843861996143
0.9725789275369049
0.1040097132674683
Hit any key to Exit: _
```

Additional Note

- There are at least three other ways to run a Python program.
 - Interactively
 - From the Python Console
 - From the Windows Console
- Read the document called: `PythonInterpreter&ItsUse.pdf` for more information on these alternative methods.