

# CS21: INTRODUCTION TO COMPUTER SCIENCE

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Prof. Mathieson

Fall 2017

Swarthmore College

## Find your computer and partner and work on Handout 3 – just for today!

owl Brandon  
parrot Allan  
pelican Claudia  
pigeon Adi  
puffin Andrew  
quail Talia  
raven Ari  
robin Bayliss  
seagull Matt  
sparrow Maddie  
lark Sagnik  
kestrel Patrick  
ibis Ian  
hawk Yusa  
dodo Amaechi  
cuckoo Shirline  
crane Sophia

cardinal Austin  
duck Mikey  
heron Chris  
buzzard Kyle  
bluejay Rutger  
eagle Sajal  
egret Peem  
falcon Skylar  
finch Anar  
flamingo Abby  
grouse Miryam  
ostrich Eddie  
osprey David  
macaw Youssef  
magpie Sid  
loon Shani  
swan Nick

# Outline Oct 23:

- Mid-semester reminders and Lab 5 examples
- Reading and Writing files
  - **colleges\_file.py**
  - **cs21students\_file.py**
- Try/except in python
  - **try\_except.py**

## Notes

- **Lab 6** due **Saturday** night

# Mid-semester reminders

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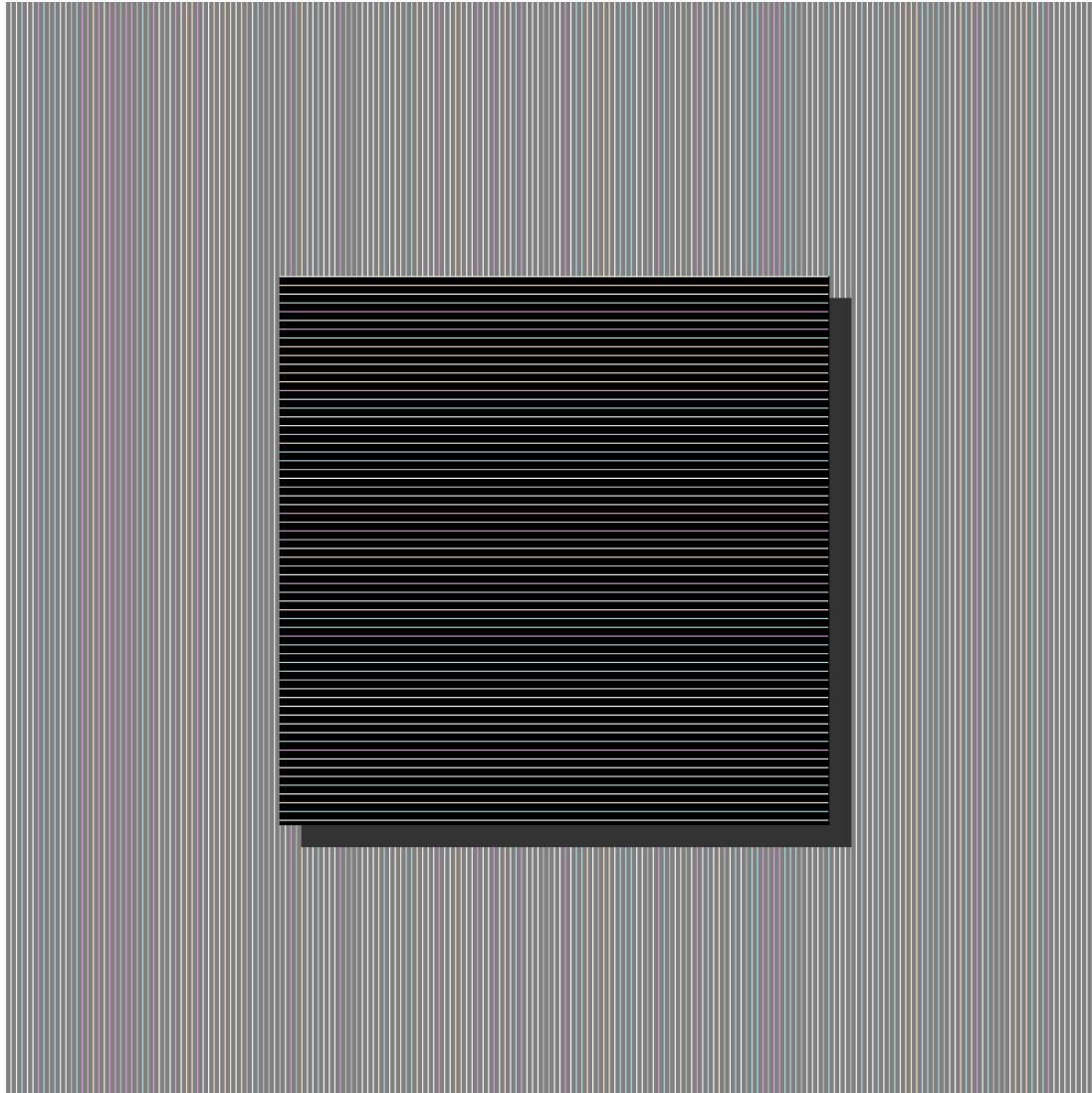
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- Piazza counts toward participation
- Academic integrity: you should not be looking at anyone else's lab code, and should not be sharing your code with anyone else
- Talk to me if you have any questions about what academic integrity means for a STEM course

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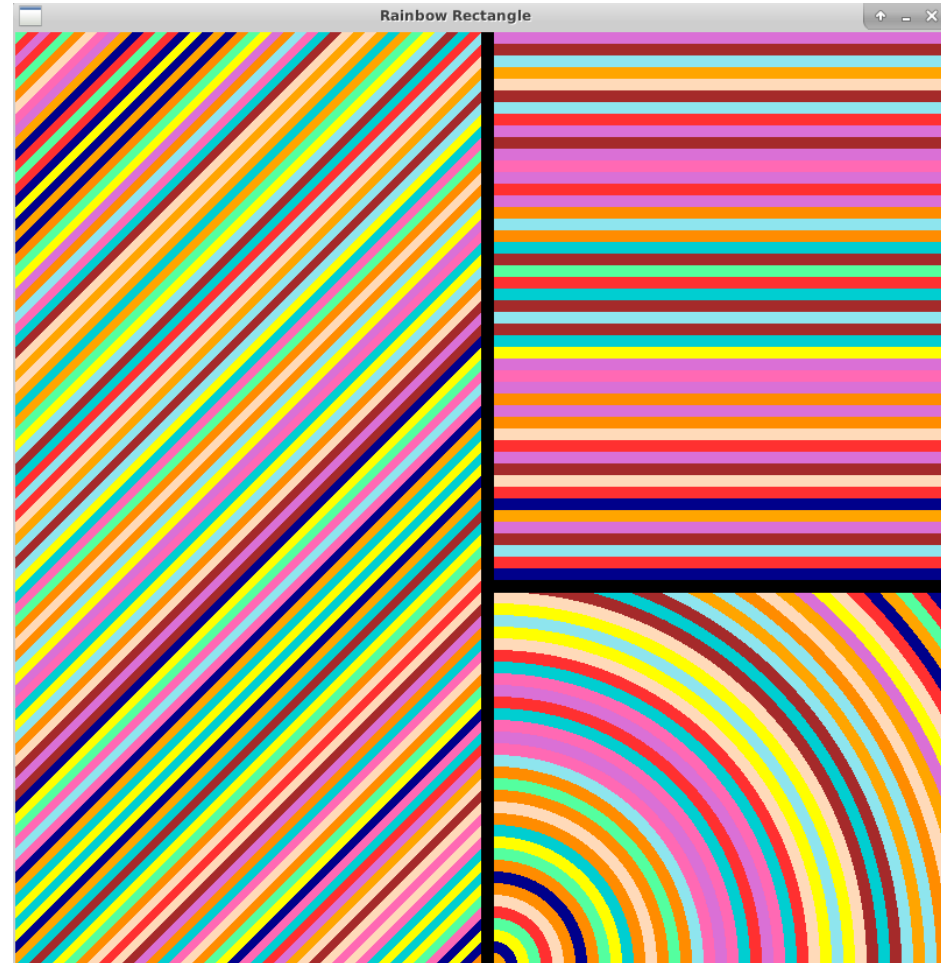
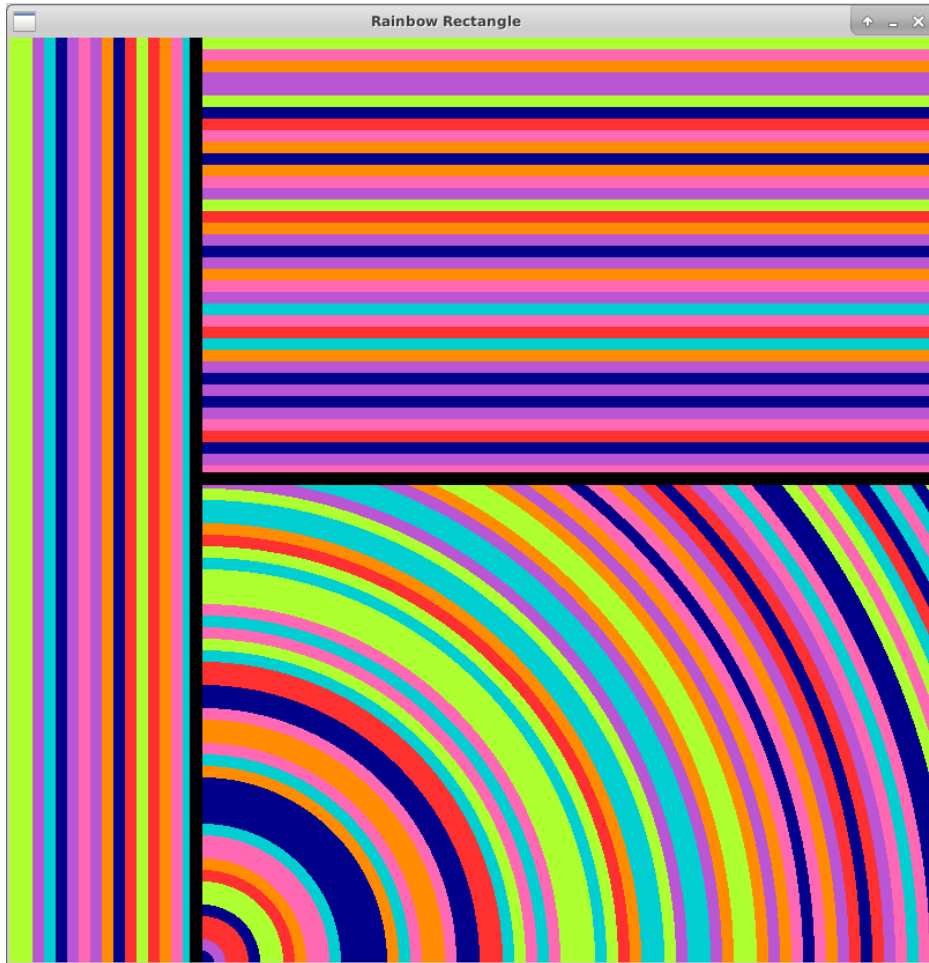
- Extensions must be arranged with the deans office
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- Piazza counts toward participation
- Academic integrity: you should not be looking at anyone else's lab code, and should not be sharing your code with anyone else
- Talk to me if you have any questions about what academic integrity means for a STEM course
- Severe or multiple offenses will go to the College Judiciary Committee

# Lab 5 examples

# Lab 5 examples: Sajal



# Lab 5 examples: Peem



# Screenshots and Videos: please email!

- Windows Videos: <https://www.hongkiat.com/blog/win-screen-recording-softwares/>
- Mac Videos: Quicktime
- Linux screenshot:

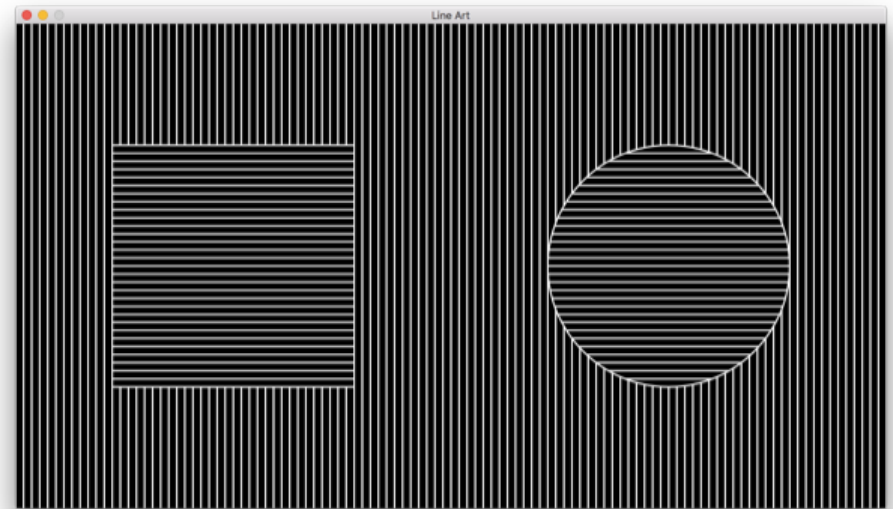
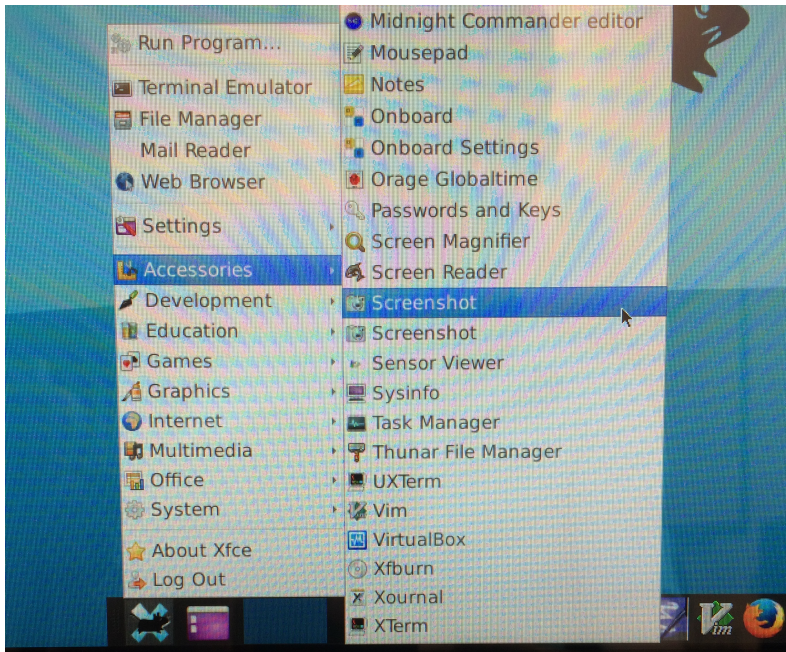


Image by Rich Wicentowski

# Reading Files



# Handout 3 Solution

split(...)

name	function or method?	Parameters (types)	Return type
open	F	String, String 'r', 'w', 'a' (file)	"IOTextWrapper"
split	M (string)	nothing, string	list
int	F	String, float int	int
append	M (list)	anything	none!
close	M (file)	none	none



# Programs for today

- `inclass/week07/colleges_file.py`
  - data file: `colleges.txt`
- `inclass/week07/cs21students_file.py`
  - data file: `cs21students.txt`