

Name (alphabetically)	Partnered with	Name (alphabetically)	Partnered with
Aiden	Мас	Jenna	Matt
Amanda	Cassandra	Lakpa	Renan
Cassandra	Amanda	Mac	Aiden
Cole	Patrick	Mary	Elle
Declan	Jack	Matt	Jenna
Elle	Mary	Nick	Ford
Ford	Nick	Patrick	Cole
Han	Shelby	Renan	Lakpa
Jack	Declan	Shelby	Han

Lab Review Descriptions matter: your comments and variable names are an indicator of your level of understanding If variables or comments are incorrect, that is a good place to try to correct misunderstandings Goal: variable names bein compart the abstract

 Goal: variable names help cement the abstract model of the problem in your mind

Sprenkle - CSCI111

3

March	22,	2022

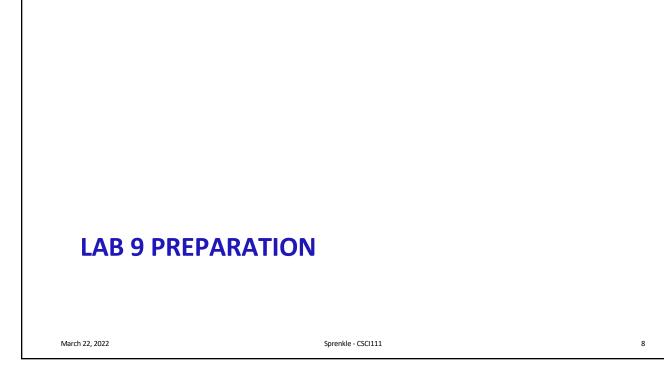
3

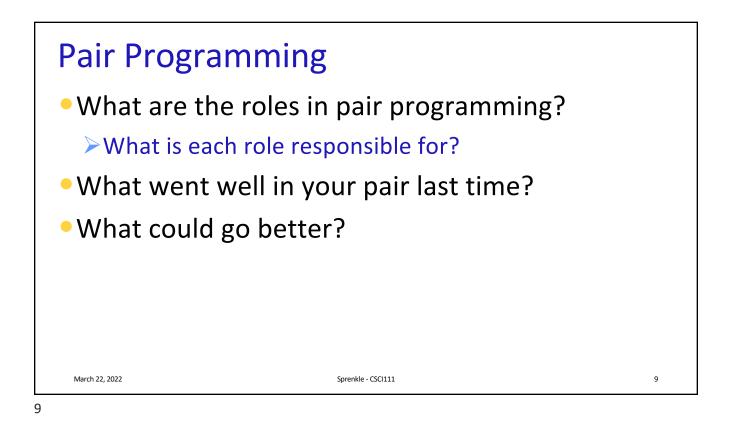
<section-header>
Adding New Code
In general, don't change existing, working, well-tested functions unless told to do so
Rather than changing encryptMessage to also handle "\n", it's better to make encryptFile adhere to the preconditions for encryptMessage
encryptMessage would need yet another check on every character to see if it's a "\n"
encryptFile knows that the "\n" is at the end of every line.
It can remove that easily and then add a "\n" back after encoding.
Ouestion: what can best handle this functionality?

Difference	btw File Name and Object	
File name is	a string	
• File object is	afile	
•Need the file	e name to create the file object	
	ember data types because not explicit in Pythe able names to help	on
• Use good vari		

Partial Gymnastics Code	2
<pre>def main(): scores = getScoresFromFile(fi avgDiffScore = scores.pop(0)</pre>	lename) Returns and deletes first item in list
avgExecScore = calculateAvera 	geExecScore(scores)
<pre>def calculateAverageExecScore(lis listOfScores.sort() totalExecScore = 0 for pos in range(1, len(list0 totalExecScore += listOfS average = totalExecScore/(len return average</pre>	fScores)-1): cores[x]
	r space, no comments, partial solution
March 22, 2022	6

File Reminders • When you open a file, you should close the file when you open a file, you should close the file





Review: Pair Programming Roles

Driver

- The role / play when we write programs in class
- Uses keyboard and mouse to execute all actions on the computer
- Ask questions wherever there is a lack of clarity
- Offer alternative solutions if you disagree with the navigator
 - When there is disagreement, defer to the navigator. If idea fails, get to failure quickly and move on
- Make sure code is "clean"
- Explains actions taken
- Brainstorms

March 22, 2022

Your team will create your own workflow, within these guidelines

Navigator

Directs driver's actions

Checks for errors and typos

"what"

problem

actions

Asks questions

class

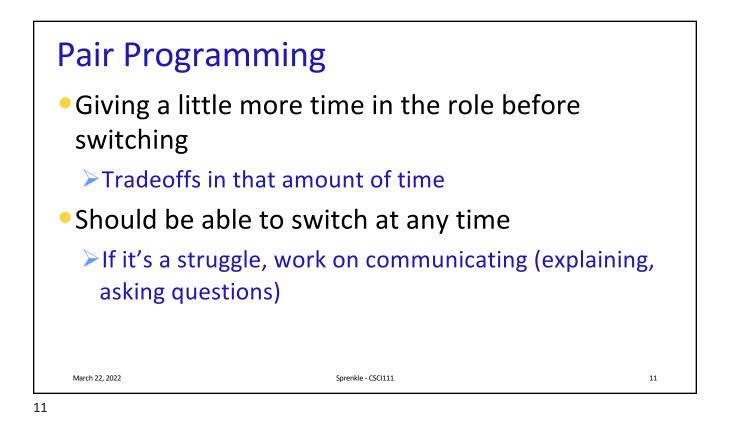
The role you play when we write programs in

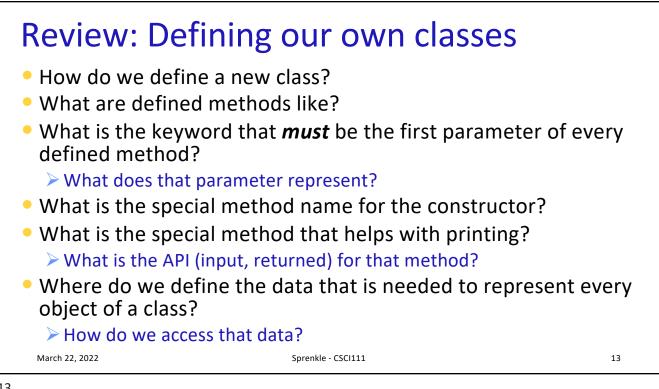
Dictates the code that is to be written - the

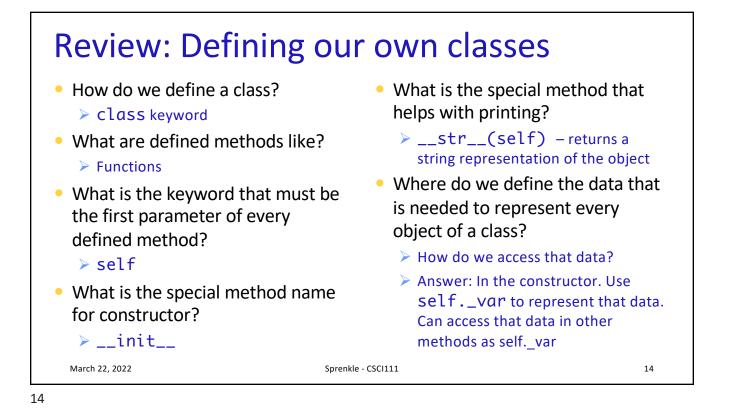
Clearly communicates what code to write

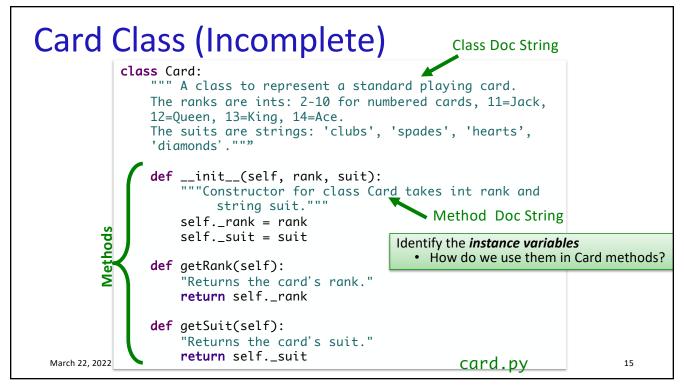
• Explains why chose particular solution to this

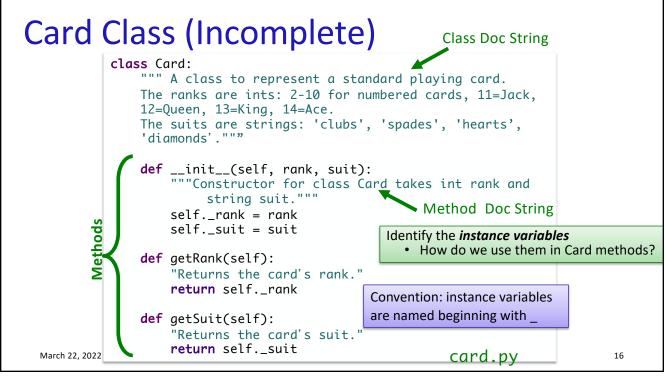
Plans the problem solving or debugging

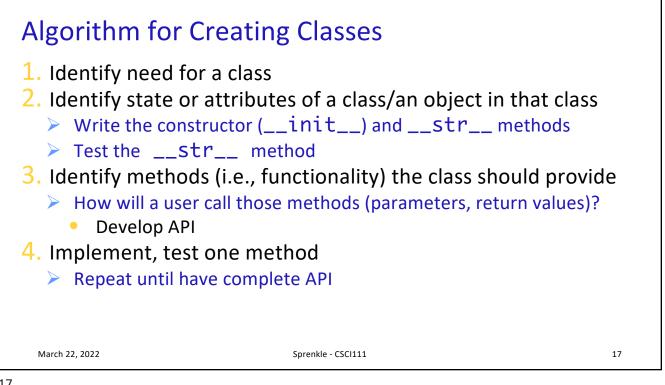


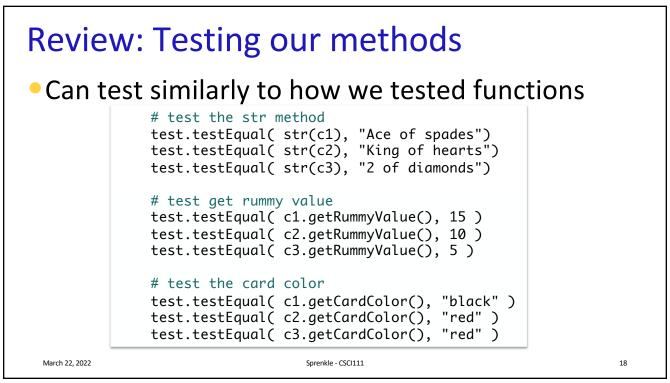


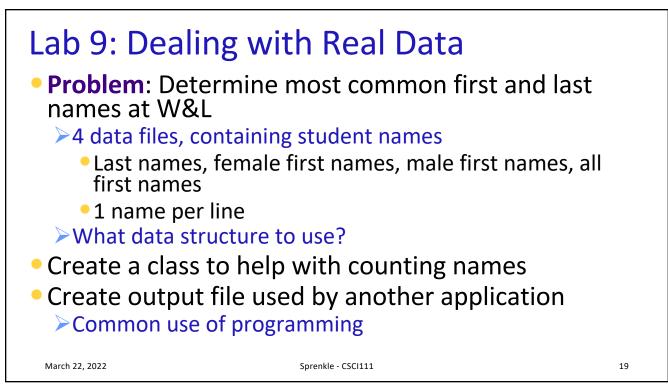


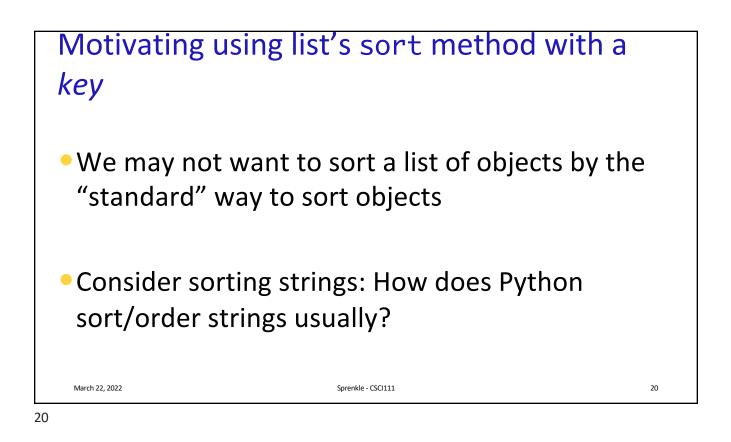


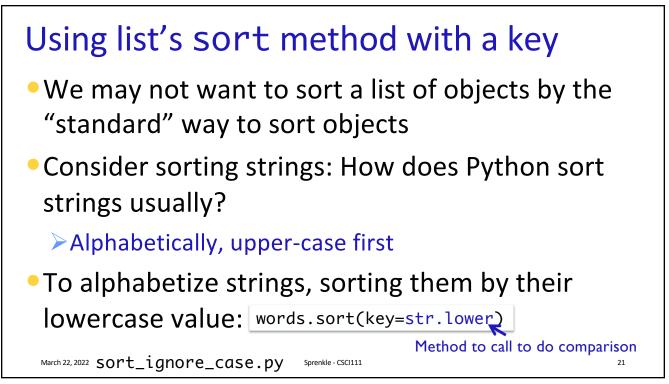












<pre>words = ["Washington", "and", "Lee", "computer", "science"] words.sort()</pre>	
<pre>print("Words in Python str-standard sorted order:") for word in words: print(word) print()</pre>	
<pre>print("Words in sorted order, ignoring upper and lower case:")</pre>	
words.sort(key=str.lower)	
for word in words: Method is named as	
print(word) Classname.methodname	



<pre>words = ["Washington", "and", "Lee" words.sort()</pre>	, "computer", "science"]
<pre>print("Words in Python str-standard for word in words: print(word) print() print("Words in sorted order, ignori words.sort(key=str.lower) for word in words: print(word) Classname </pre>	Lee Washington and computer science Words in sorted order, ignoring upper and lower case and computer
	Washington

