

Defining Classes—More Examples

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Computer Science and Software Engineering

Check out `17-DefiningClasses2` from SVN

Plan for Today

- More examples of defining classes
 - Three that you might want to use or modify
- Work time

Review of Key Ideas

- *Constructor*:
 - Defined with special name `__init__`
 - Called like `ClassName()`
- *Instance variables*:
 - Created when we assign to them
 - Live as long as the object lives
- **self** formal parameter:
 - Implicitly gets the value before the dot in the call
 - Allows an object to “talk about itself” in a method

Defining Your Own Classes

- Custom objects:
 - Hide complexity
 - Provide another way to break problems into pieces
 - Make it easier to pass information around

How would you start writing a program using classes?

Cards for Blackjack

You call this progress?

Buttons and Bars

Team Project Work

- Turn in session 17 milestone
- Continue working on session 18 milestone
- Schedule time to finish session 18 milestone before class tomorrow
- Next session
 - We will skip Python dictionaries
 - More project work