

Introduction to Computational Thinking

Lab 11: Sections 114/116
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On the agenda today

- Python Classes
- Nested lists
 - Python notebook

Python Classes

- User-defined data structure holding its own variables and functions
 - Class variables are called **attributes**
 - Class functions are called **methods**

Example:

```
class Car:  
    year=2018  
    make="Honda"  
    model="Civic"
```

```
Car.model  
Output: "Civic"
```

Example:

```
class Animal:  
    aquatic  
    terrestrial
```

References:

- <https://www.geeksforgeeks.org/python-classes-and-objects/>
- <https://docs.python.org/3/tutorial/classes.html>
- https://www.w3schools.com/python/python_classes.asp