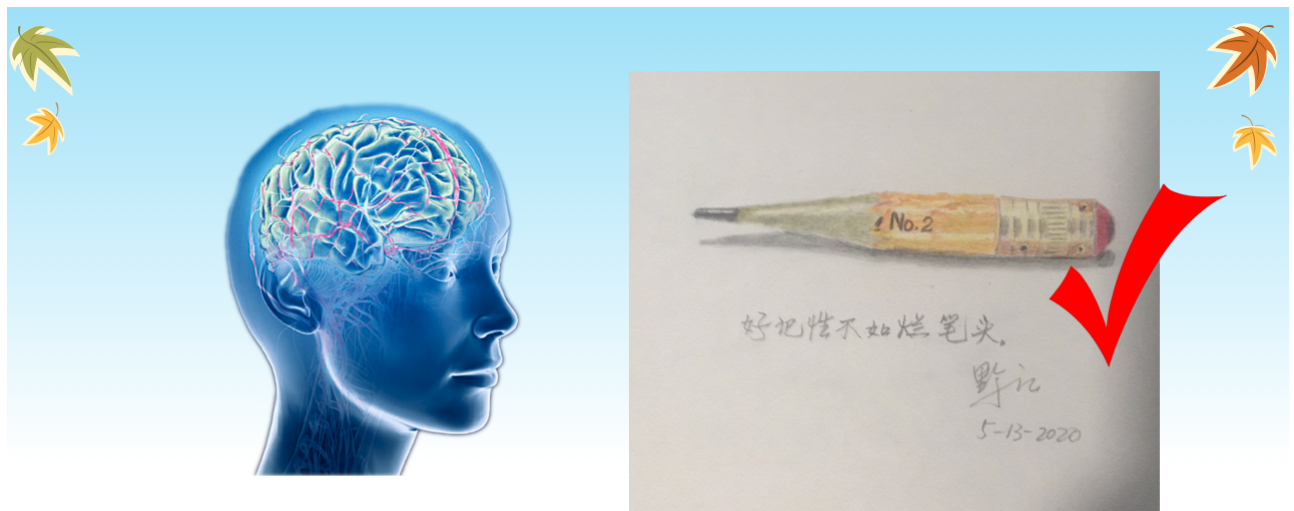


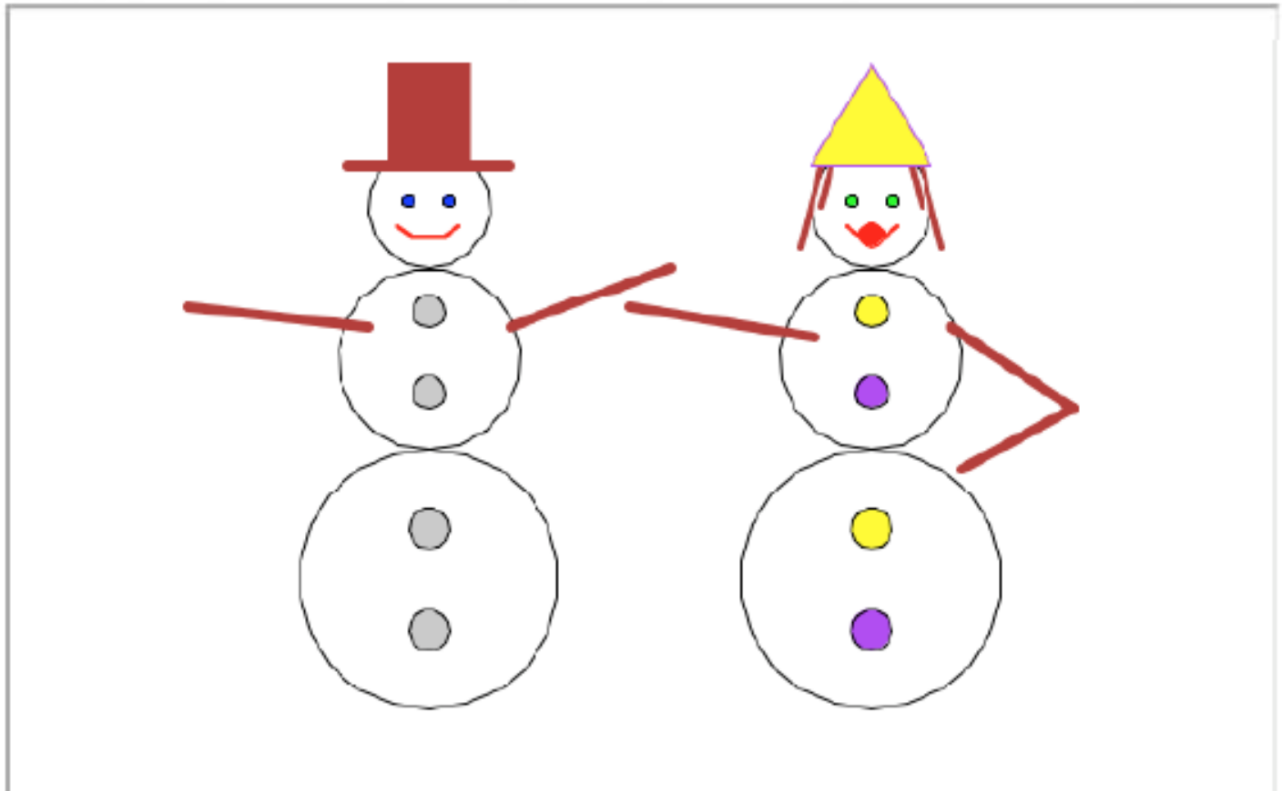
华夏中文学校 Python Level 1 Syllabus

- Familiar with your keyboard
- Getting start
 - Install Python
 - Install Visual Studio Code
 - Install Git
 - How to use VS Code
 - How to use GitHub to turn in homework
- Using Markdown for class notes

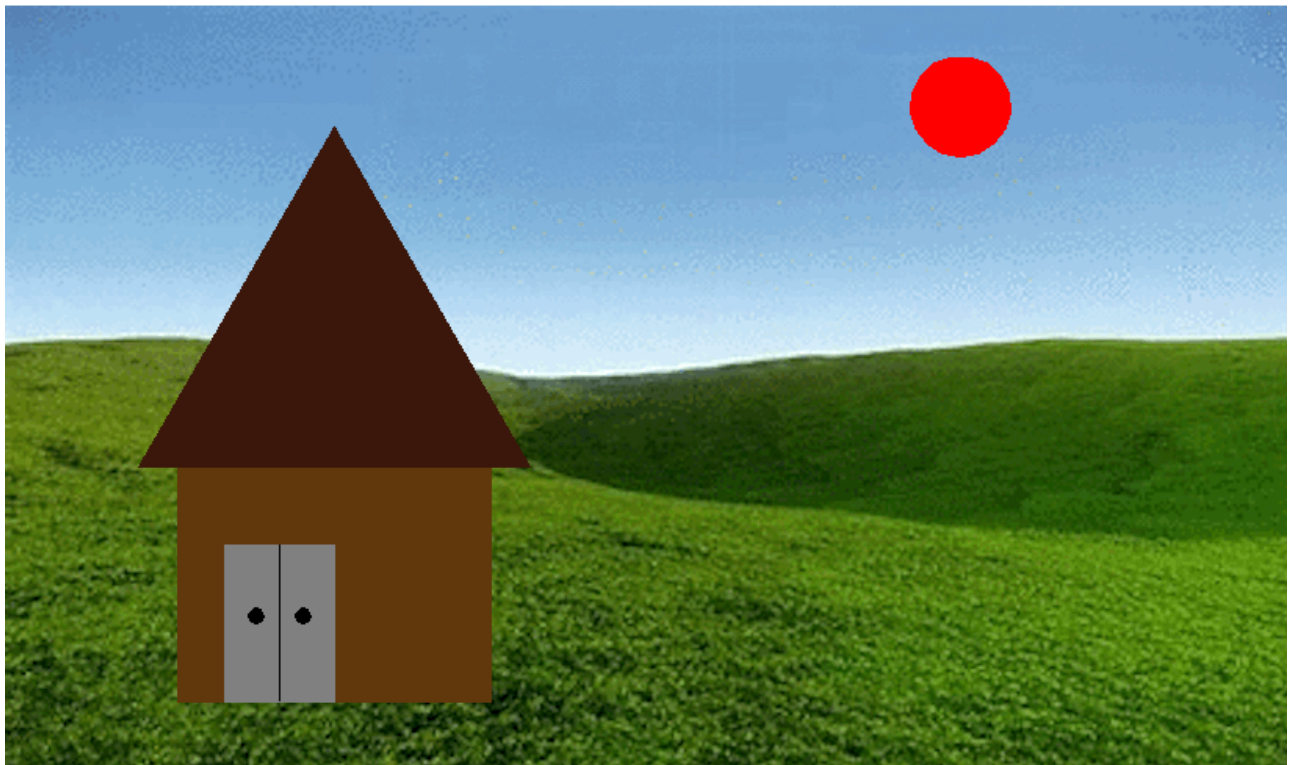


Good memory cannot be as good as Markdown

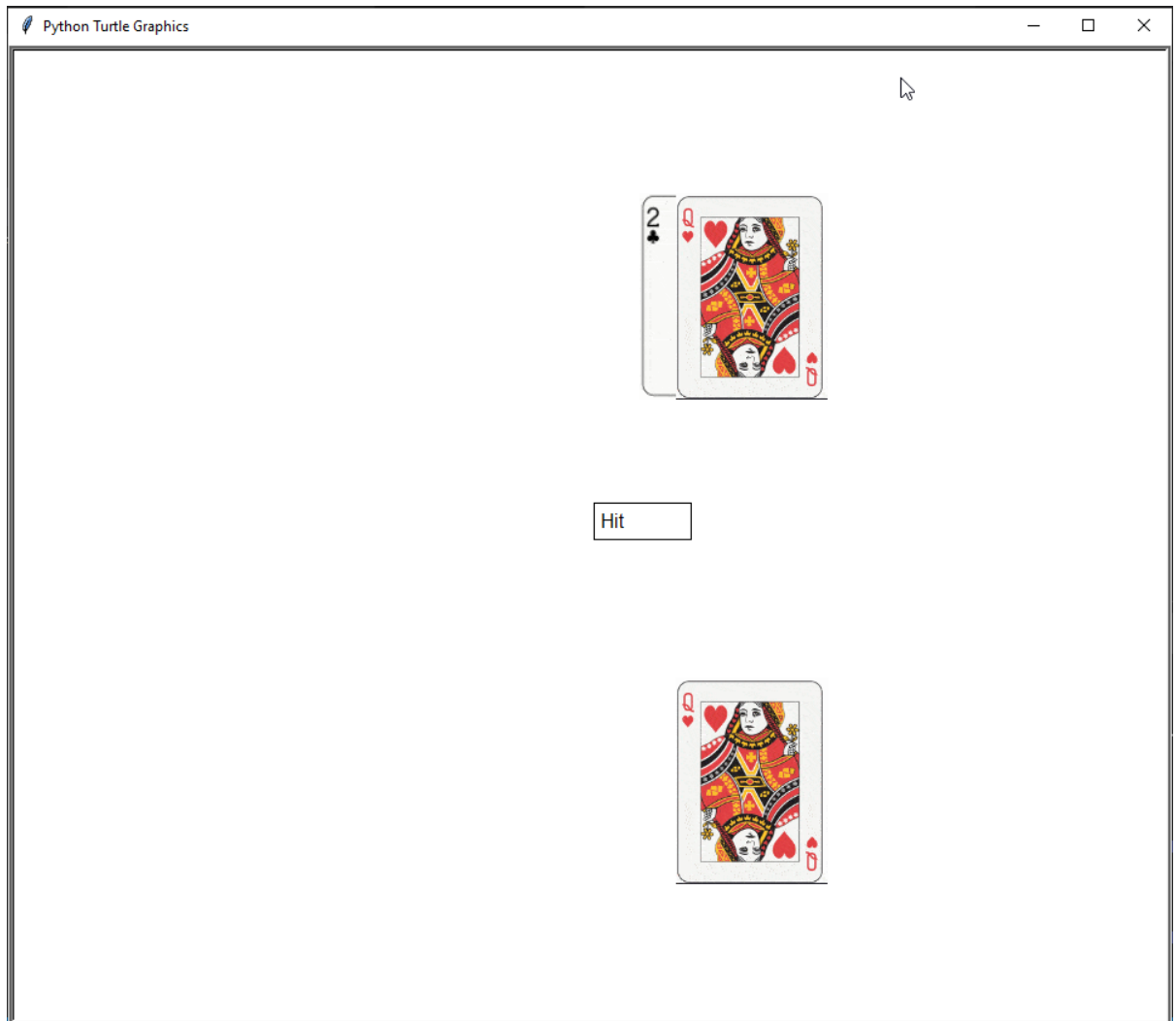
- How to use Markdown to take class notes
- How to convert markdown document to pdf
- print function
- Turtle
 - Draw Snowman



◦ Draw House



◦ Draw Card !



- If-Else
- Data Type

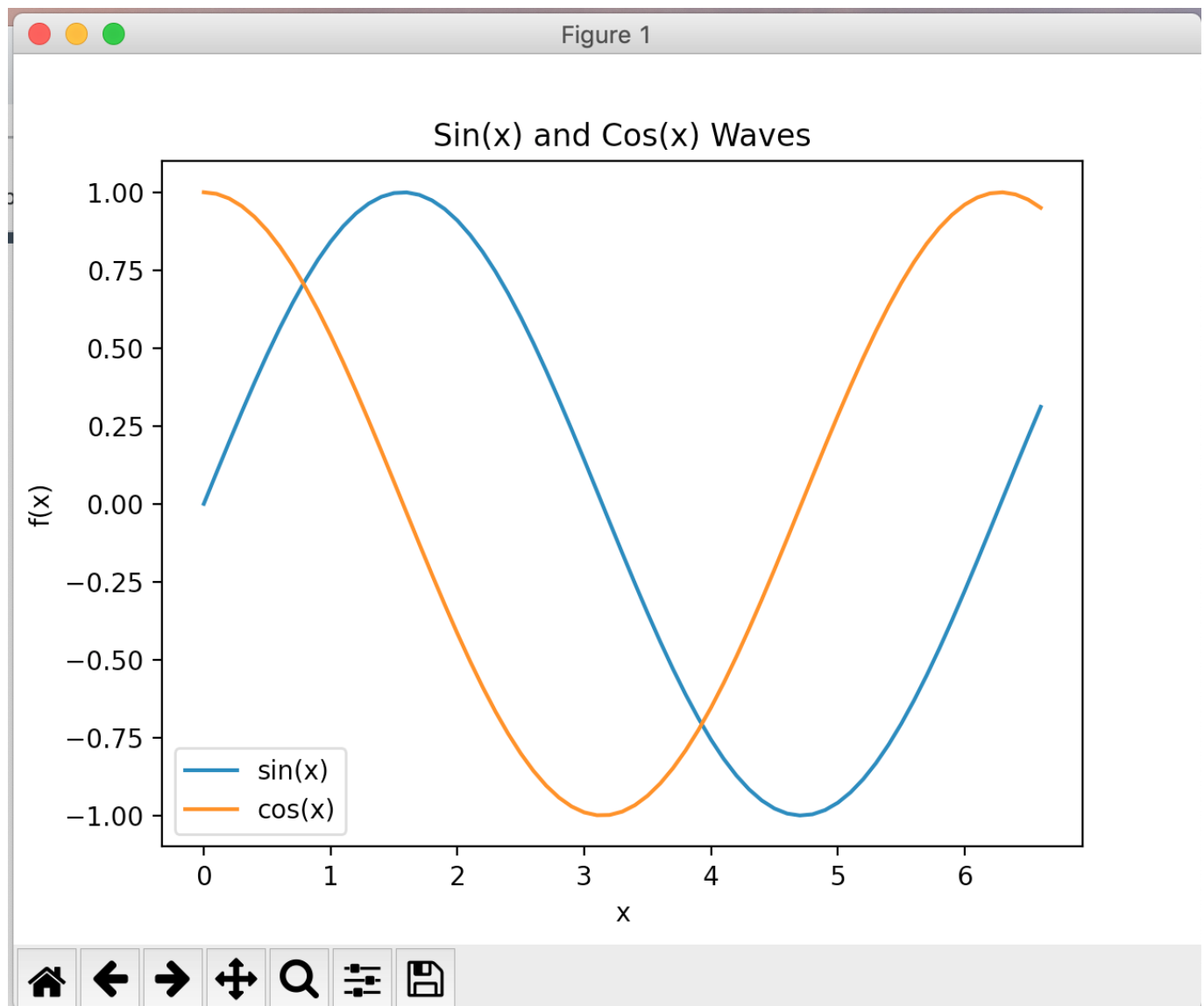


- Number
 - int 整数
 - float 浮点数
 - complex 复数
- String
 - str 字符串
- Tuple
 - tuple 元数组
- List
 - list 列表
- Set
 - set 集合
- Dictionary
 - dict 词典

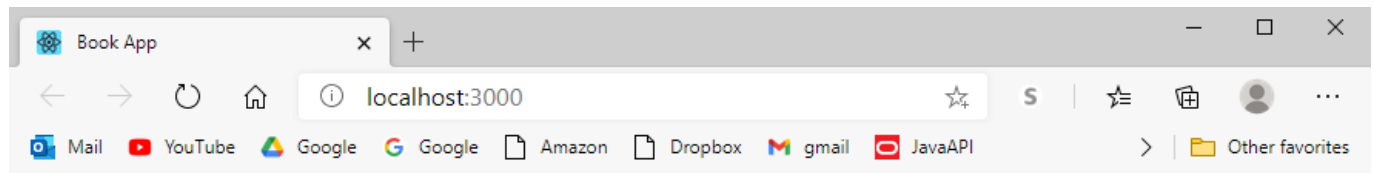
- Python playground and Help
- Loop
- Debug Python Code
- Simple Math
- Function
- Small Games
 - Dice
 - Guess Number
 - Prime
 - Ball Hit Bird in sky



- File Access
 - plaint text file
 - csv file
 - json file
- Plot



- Simple Application Server



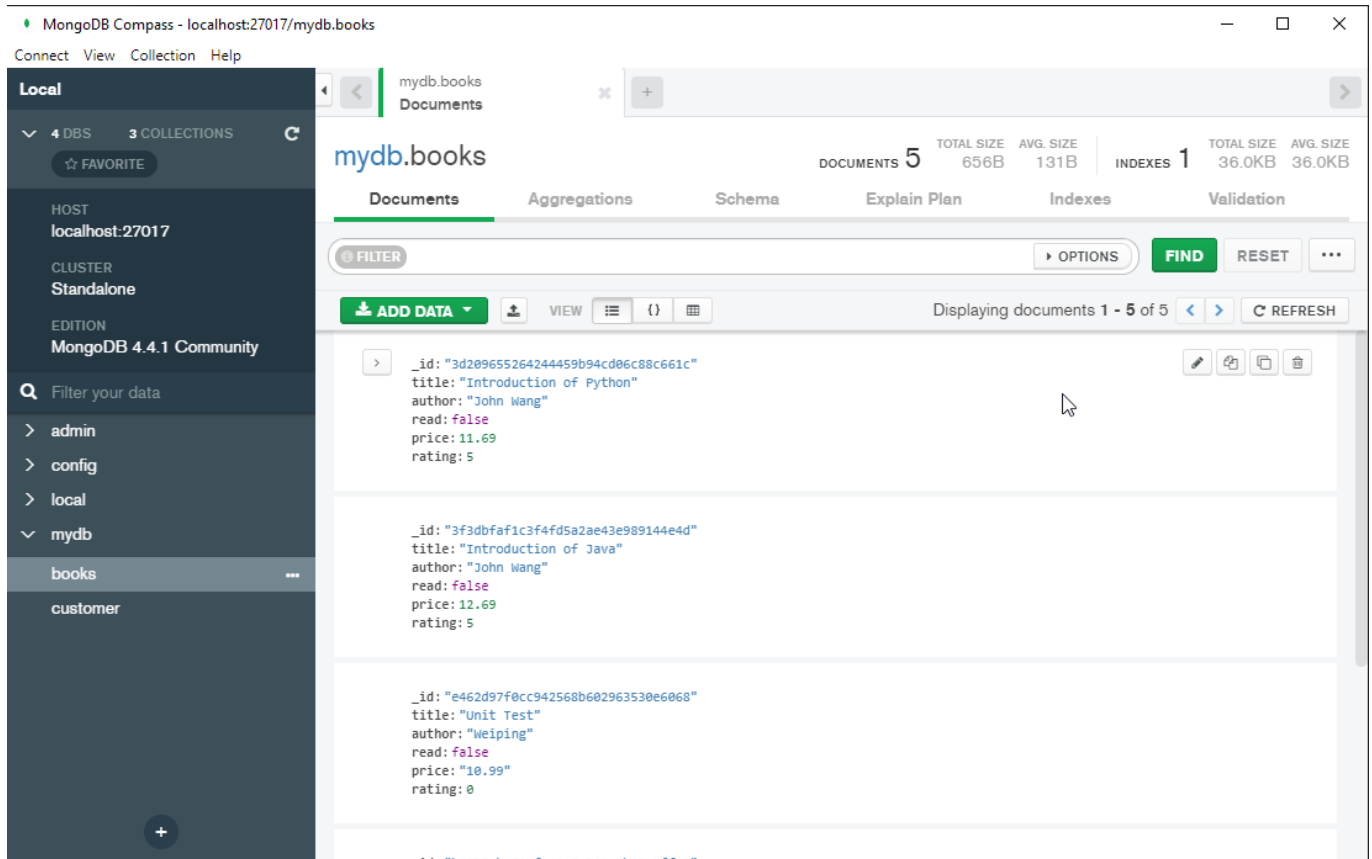
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Add New Book

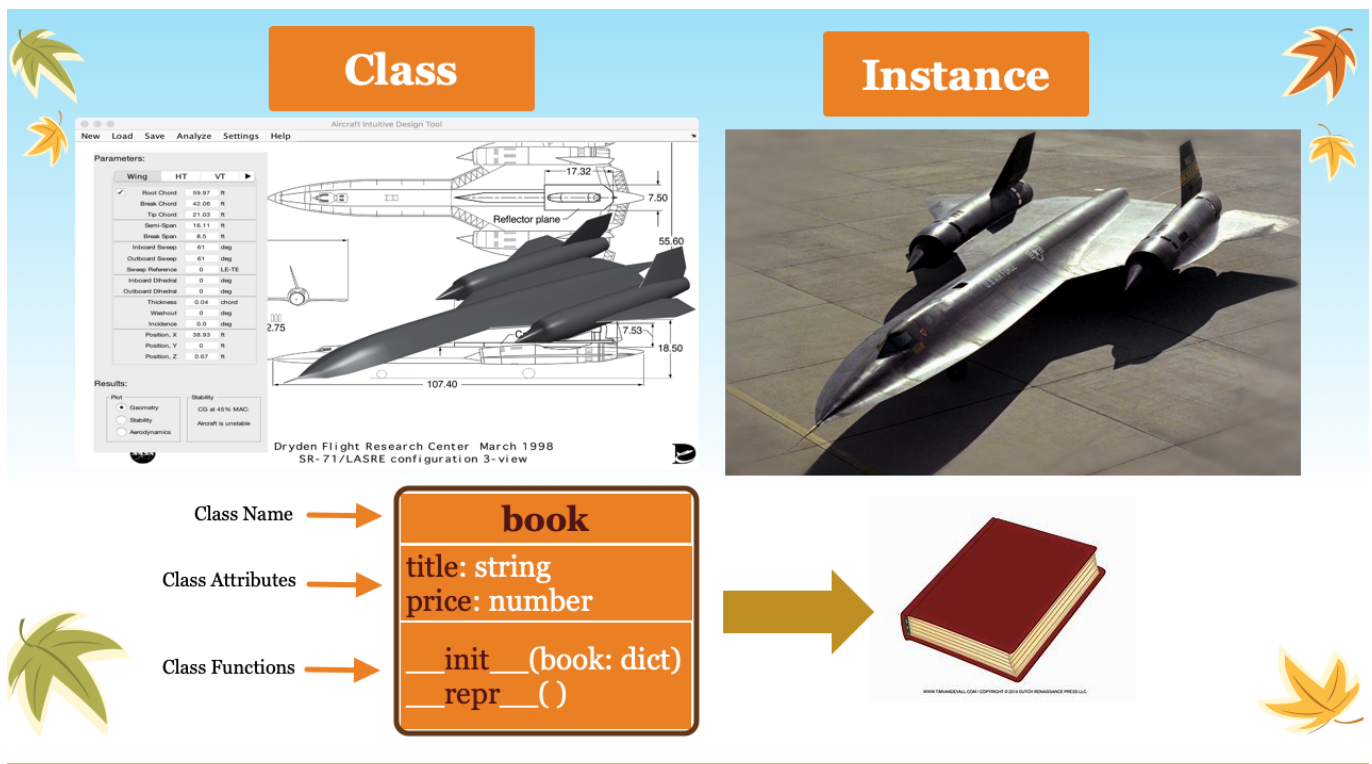
View books

Title	Author	Price	Actions	
Introduction of Python	John Wang	11.69	Edit	Delete
Introduction of Java	John Wang	12.69	Edit	Delete
Unit Test	Weiping	10.99	Edit	Delete
QT Designer	Jun Wu	21.99	Edit	Delete
Introduction of Java	John Wang	12.69	Edit	Delete

- Mongo DB NoSQL database access
 - Install MongoDB
 - Install MongoDB Compass
 - CRUD: Create, Retrieve, Update, Delete operations

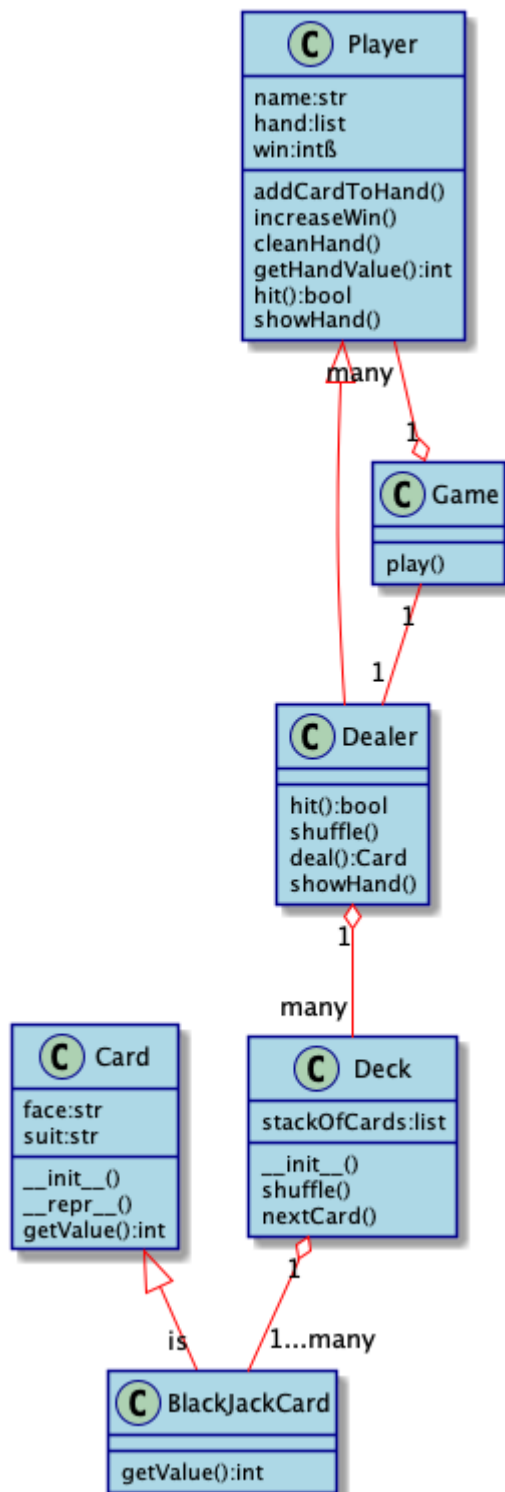


- ReactJS Concept
- Use Node JS and npm
- OOP: Object Oriented Programming Concept



- Build python class
 - class relationship

Black Jack Card Game



- Use class to draw snow family

