Objectives

- Preliminary Implementation Demos!

Demo Content

- One member of your team will present
- Demo
  - Show what you have done for the preliminary implementation
  - Discuss design decisions
  - Tell me what you're thinking for extensions
- Thoughts on extensions
- Questions/concerns

Team Demo Order

```
>>> teams = [ "Masters", "ThunderCats", "Transformers", "Voltron" ]
>>> import random
>>> random.shuffle(teams)
>>> teams
['Transformers', 'Voltron', 'ThunderCats', 'Masters']
```

- 8:35: Transformers

- 8:47: Voltron

- 9:00: ThunderCats

- 9:14: Masters of the Universe

Team Demo Order

```
>>> teams = [ "Avengers", "Eternals", "Justice", "X-Men" ]
>>> import random
>>> random.shuffle(teams)
>>> teams
['X-Men', 'Avengers', 'Justice', 'Eternals']
```

- 11:05: X-Men

- 11:17: Avengers

- 11:30: Justice League

- 11:44: Eternals

Testing: `ParserTestDriver`

- Not automated, BUT …

- Shows you the expression tree that will be generated from a String expression

Start Thinking About

- Refactoring existing code to make adding new code easier
- Reporting errors to users
  - Currently: in the output but users aren't going to see that
  - Helpful errors → translated for users
- Opening a file that contains an expression
- Handling new operations
  - Order of operations
  - Assignment statement
  - Functions with multiple arguments, image names
- Extensions

Looking Ahead

- Monday
  - ➤ More Picasso!
- Wednesday
  - ➤ Course retrospective
- Friday
  - ➤ Intermediate Deadline - Project demos