Developing algorithms
Nested loops
Today's Lecture:

Review nested loops
Finite vs. Infinite
Linear Interpolation
Introduction to vectors, vectorized code

Announcements:

Project 2 due tonight 11pm

Previous Lecture:

Prelim I: 2/24(R) 7:30-9pm. Location Statler Aud.

 Review sessions: next week, time and locations TBA. They're optional.

Rational approximation of $\,\pi\,$

- $\pi = 3.141592653589793...$
- Can be closely approximated by fractions, e.g., $\pi \approx 22/7$
- Rational number: a quotient of two integers
- Approximate π as p/q where p and q are positive integers ≤M
- Start with a straight forward solution:
 - Get M from user
 - Calculate quotient p/q for all combinations of p and q

Lecture 8

• Pick best quotient \rightarrow smallest error





































