CS100: CPADS

Introduction to CS

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What Computer Science is & is not

- **Computer Science is NOT programming**

- **Computer Science is about identifying problems and determining how to solve those problems algorithmically**

  - Problems may be broken down into smaller tasks

  - Programs are merely a tool to facilitate the process of solving problems

About CPADS I

- **Introduction course to provide everyone a common knowledge base with regards to programming concepts**

- **First part of the semester will include in-class software activities designed to help you develop algorithmic problem solving skills as well as important debugging techniques**

- **Second part of the semester will include in-class programming activities designed to familiarize you with basic programming constructs**

- **Attendance in CPADS is mandatory as there will be periodic quizzes and daily lab activities that require your presence**

  - Attendance will be taken at the beginning of each class

Programming Assignments

- **All programming assignments will be done in Python (a scripting language)**

- **Programming assignments will focus on concepts, rather than syntax (i.e. program structure necessary to solve problems)**

  - Problem solving

  - Program structure

  - Debugging