CS 112
Expressions versus Statements

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Coming up: Statements

Statements

- In English a statement is a complete thought
- In Python a statement is a complete instructions
  - **A statement does something**

  - print "Hello World"
  - x = 20;

Coming up: Expressions

Expressions

- Expressions don't do anything, they are something
  - **Expressions are something**

  - "Hello"
  - (a < b)
  - 26
  - 100 – (25 * 2)

Assuming a=10 and b =5. this expression is something.. what?

Statements contain expressions

- print "Hello"

  Expression

  Statement

- if (x < 10) or (y != 200):
    print "Oops"

Expression or statement

print 23+98   Statement

"The world" + "is flat"   Expression

x = "The world" + "is flat"   Statement

(score == 90) or not (score < 22)   Expression

Coming up: Terminology / Concepts

Terminology / Concepts

- **Statement – does something**
- **Expression – is something**
- **Evaluating an expression**

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End of presentation