ECS 10

10/5

Are you smarter than a UC Davis student?

- Simplified rules:
  - $1000 (pretend) for each right answer
  - Game over at first wrong answer

Question 1

- The Python command
  ```python
  print 'The Edge belongs to U'+2
  ```
  - A: prints out 'The Edge belongs to U2'
  - B: prints out 'The Edge belongs to U 2'
  - C: causes an error
  - D: The Edge is not a real person

Integers vs strings

- 5 is an integer. Rover is a dog.
- “5” is a string. “Rover” is a string.

Question 2

- After the following commands:
  ```python
  myVar = 6
  myVar = myVar + 2
  ```
  - A: 6
  - B: 8
  - C: myVar + 2
Question 2

- After the following commands:
  ```python
  myVar = 6
  myVar = myVar + 2
  ```
  the variable `myVar` contains the value:
  - A: 6
  - B: 8
  - C: `myVar` + 2

Program 2

- Are you smarter than a 5th grader (Python version)?

The empty string

- The variable name contains a string, but it is a string containing no characters.
- It is called the empty string.
- The length of string “Daniel” is 6
- The length of the empty string “” is 0

Checking for empty string

- Using the if statement:
  ```python
  if name == "":
  print "Welcome, anonymous player!"
  ```

Malformed if statements

- if name = "":
  - print “Welcome!”
- if answer == ""
  - print “Welcome!”
- if answer == "":
  - print “Welcome!”

- Uses = instead of ==
- Missing :
- No indentation
**Block**

- You can have lots of statements under an `if` statement.

```python
if name == "":
    name = "Anonymous"
    print "We'll call you", name + "!
    raw_input("Press enter to exit: ")
```

**Block**

- The indented statements form a block. A block is always done together, or skipped together.

```python
if answer == "yes":
    name = "Anonymous"
    print "We'll call you", name + "!
    raw_input("Press enter to exit:")
```

**If … else…**

```python
if answer == "a":
    points = points + 1
else:
    points = 0
```

Either the block under `if` is done, or the block under `else`.

The command `else` is NOT indented.

In IDLE, use backspace key to get back to left side.