

CS150 - File I/O

Note Title

3/5/2012

Announcements

- HW due Thursday

- Next HW ^{up} Wednesday
due Wed. after break

Ch. 8: Input + Output

So far, we've seen standard I/O.

raw_input(). function:

- Takes input up to first 'enter' from keyboard (not including newline)
- Returns a string
- Optional input - string for prompting

Print statement

- Accepts 0 or more inputs, separated by commas.
- Not really a function - no () around inputs
- Automatically casts every input to str().
- Each comma is a space, & end is a newline

Can avoid the newline: `print 'I like',
print 'cookies'`

→ I like cookies

Easier way: %s, %d → place holders for later variables

Ex:

print '%s: ranked %d of %d teams' % (team, rank, total)

Fills in variables from end tuple to given spots, assuming they match the correct type.)

More formatting

Can even use this to specify precision:

```
print 'You owe $%.2f, cash.' % 350
```

```
print '%4d' % 12  
print '%04d' % 12  
print '%-4d' % 12
```

More examples

' % 7.3f \n + % 7.3f' % (80.0/3.0, 3.0/4.0)

Note:

Not dependent on print, also:

message = ' %s = ranked %d of %d teams' %
(team, rank, total)

Practice

Set variables named `person`, `day`, & `month` to be your information.

Use string formatting to produce the format:

Eric's birthday is March 27.

`person`

`month`

`day (an int)`

Pt 2: Redo the previous to work on 3 lists storing names, days, & months, & produce output for each triple.