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COMP  
110

CL10 - Final Review

# Coming Up

- Final on May 2 @ 8am (seat/room assignments) posted on Sakai
- Makeup on May 3 @ 8am in SN011
- Last day of office hours is ***tomorrow***
- Review Session Dates/Time on Class Website

## Practice: Class Writing

- Write a `PlaneTicket` class.
- Attributes: `departure_city`: str, `arrival_city`: str, `departure_time`: int, `ticket_cost`: float
- Write an `__init__` magic method that takes `city_a`: str, `city_b`: str, `depart`: int, and `cost`: float as arguments as creates a new `PlaneTicket` with the attributes `departure_city = city_a`, `arrival_city = city_b`, `departure_time = depart`, and `ticket_cost = cost`

## Practice: Class Writing Part 2

- Write a `__str__` magic method to print out ticket info.
- Write a `delay` method that takes `delay_hours`: int as an argument and increases the `departure_time` by that much. (Think of time like military time... 1 am is 0100, 1 pm is 1300, etc.)
- Write a `discount` method that takes a `discount`: float as an argument and discounts `ticket_cost` by that percent. (E.g. if `discount = .15`, then discount `ticket_cost` by 15%)
- Write a `compare_prices` function that compares the cost of two tickets (takes `ticket1`: PlaneTicket and `ticket2`: PlaneTicket as arguments) and returns the cheaper ticket.

## Practice: Using Objects of a Class

- Create a **PlaneTicket** object that starts in “Raleigh” and ends in “New Orleans”. It departs at 10 am (1000) and costs \$85.25.
- Print out the ticket info.
- Delay the flight by 2 hours and discount it by 10%
- Create another **PlaneTicket** object that starts in “Orlando” and ends in “San Fransisco”. It departs at 11 am (1100) and costs \$100.50.
- Print out the which ticket is cheaper using the `compare_prices` function.