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# TheHandClass.py

from TheDeckClass import *

def compare(H1,H2):
    """
    Returns 1 if H1 > H2, -1 if H1<H2 and 0 otherwise

    This comparison of Cards
    compares rank first, and then suit.

    PreC  H1 and H2 are Cards.
    """

    if H1.rank > H2.rank:
        return 1
    if H1.rank < H2.rank:
        return -1

# At this point, we know the two cards have the same rank.
# So compare their suits.
    if
H1.suit > H2.suit:
        return 1
    if H1.suit < H2.suit:
        return -1
    # If
we get this far, H1 and H2 represent the same card.
    return 0

class Hand(Deck):

    """ Represents a hand of playing cards.

    Attributes:

    DeckOfCards: list of Card objects
                  n: int
                  label: str

    n is the number of cards in the deck.

    The "top" of the deck is
self.DeckOfCards[0]
    The "bottom" of the deck is self.DeckOfCards[self.n]

    label is a string that "names" the hand.
    """
    def
__init__(self,label):
    """ Creates a reference to a Hand object which is
    initialized as a labeled empty
    hand.

    PreC: label is a string that
names the hand
    """
    self.DeckOfCards = []
    self.n = 0

    self.label = label

    def __str__(self):
        """ Returns a
string s such that print s
nicely displays self.
        """
        s =
self.label + ':'+'\\n'
        for c in self.DeckOfCards:
            s = s + ' ' + str(c) +

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'\n'
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    return s
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    def sort(self):
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```
        """ Modifies
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self.DeckOfCards so that it is sorted using the  
compare function MyCompare.
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"""
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    self.DeckOfCards.sort(compare)
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