

CSI 33 Card Game assignment

Implement the card game described below.

The game is played by two players.

A deck of cards is put face down and a random card is drawn from the deck, both players see the trump suit and the card is put back into a random place into the deck.

At each turn: players grab one card each from the top of the deck and put them face up on the table.

- If both cards have the same suit, then the player with the highest ranked card wins this turn, takes this pair of cards and places them into his/her pile.
- If cards have different suits, then the person with a trump card wins his turn, takes this pair of cards and places them into his/her pile.
- If the cards have different suits and none of them is a trump, then it is a tie, the cards are discarded.

The game ends when there is no more cards in the deck. The person with more cards in his/her pile wins.

Implementation comments:

- the trump suit must be announced at the beginning of each game
- Your program must print each turn, by showing the both players' cards and telling who won the turn.
- At the end, it should say who won the game and how many cards each player has.
- The program must use the classes Card and Deck we defined in class. If you decide that you need to add to method or two to the Deck class or Card class, you are free to do so, just don't forget to include the modified Deck.py / Card.py in your homework submission.

Other comments: note that at this level you should define classes (for example, for player, for scoring and so forth) where appropriate, also don't forget documentation (both inner comments that start with # and docstrings)!