

# Dinosaurs

Write a Python program to simulate a game of *Dinosaurs*. “Dinosaurs” is a simple two-players card game. The deck is composed of 30 cards: 10 red, 10 green and 10 yellow. The red cards show a large dinosaur, the green cards show a medium dinosaur, the yellow cards show a small dinosaur.

The only rule is: larger dinosaurs eat smaller ones.

The red cards are worth 5 points, the green ones 3 points and the yellow ones 1 point. At the beginning of the game, each player has 15 cards, taken from a 30 cards deck that is already memorized in the file “*deck.txt*”. the cards must be assigned to each player, alternating between player 1 and player 2.

At each hand, each player plays the first card of his deck (following the same order that the cards had in the file). If the played cards have different colors, the player that played the largest dinosaur wins, and takes all cards on the table. If the two cards have the same color, they are left on the table. At the end of the 15 hands (i.e., when the players have played all their cards), the game is won by the player who collected cards with the largest total score. Cards that may be on the table at the end of the 15 hands are discarded.

The program must:

- read from the file *deck.txt* the 30 deck cards
- distribute the cards to each player, alternating between the two players
- simulate the 15 hands of the game; for each hand, it should
  - play the next card of player 1, printing the played the card
  - play the next card of player 2, printing the played the card
  - compute the winner of the hand, printing both the winner and the scores of the two players at the end of the hand
- at the end of the 15 hands, print the name and the score of the winner

## Example

For the example, we assume a 6 cards deck (rather than the regular 30), with the following cards:

Yellow  
Yellow  
Green  
Red  
Red  
Green

The program must generate the following output:

Player 1's score: 0  
Player 2's score: 0

Hand 1  
Player 1's card: Yellow  
Player 2's card: Yellow  
Result: draw  
Player 1's score: 0  
Player 2's score: 0

Hand 2

Player 1's card: Green

Player 2's card: Red

Result: Player 2 wins the hand

Player 1's score: 0

Player 2's score: 10

Hand 3

Player 1's card: Red

Player 2's card: Green

Result: Player 1 wins the hand

Player 1's score: 8

Player 2's score: 10

Player 2 wins with 10 points