



# Introduction to Python II (Exercises 07)      Intro OOP

## 1

```
import pythoncards as pc

def titlebar():
    print("{:<20}".format('='*20))
    print("{}{}^18{}".format("|", "Simple Card Game", "|"))
    print("{:<20}".format('='*20))
    print()

# Display title
titlebar()

# Create two players
player1 = input("Enter player 1: ")
player2 = input("Enter player 2: ")
print()

while True:

    # Build Deck
    deck = pc.SCardDeck()

    # Build hands
    hand1 = pc.SHand(player1)
    hand2 = pc.SHand(player2)

    # Deal 5 cards to each player
    for i in range(5):
        hand1.add_card(deck.deal_card())
        hand2.add_card(deck.deal_card())

    # Display Player Hand and Value
    print("{:<15} {} :value: {}".format(hand1.owner, hand1, hand1.get_value()))
    print("{:<15} {} :value: {}".format(hand2.owner, hand2, hand2.get_value()))
    print()

    if hand1.get_value() > hand2.get_value():
        print("*** {} is the winner! ***".format(hand1.owner))
    elif hand1.get_value() < hand2.get_value():
        print("*** {} is the winner! ***".format(hand2.owner))
    else:
        print("*** It is a tie game! ***")

    print()
    choice = input('Would you like to play again (y or n): ')

    if choice != 'y':
        break
```