

Twenty-One Pseudocode

main

 Make Deck of Cards (array of ints)

 Shuffle Deck

 Do

 winner = PlayHand(deck)

 print who won message

 while (deck contains > 15 cards && UserWantsToPlayAgain)

PlayHand (deck)

 Take a card from the deck and give it to a player

 Take a card from the deck and give it to the dealer

 Take a card from the deck and give it to a player

 Take a card from the deck and give it to the dealer

 Show the dealers cards, hide the first card

 show the Players cards, show all

 while valueOfHand(player) <= 21 && playerWantsAnotherCard

 Take a card from the deck and give it to a player

 show the Players cards, show all

 if player busted (i.e. valueOfHand(player) > 21)

 return DealerWon!

 ShowDealerHand (all cards)

 while value of dealers hand < 17

 Take a card from the deck and give it to the dealer

 show all the Dealers cards

 if dealer busted (i.e. value of dealers hand > 21)

 return PlayerWon!

 if Value of Dealers Hand >= value of Player's hand

 return dealer wins!!!

 else

 return player wins!!!

