

```
<?php
```

```
function createDeck(){
```

```
    $deck = array(); // create an empty array
```

```
    $suits = array("clubs","diamonds","hearts","spades"); // define suits
```

```
    $values = array("2","3","4","5","6","7","8","9","10","jack","queen","king","ace"); // define values
```

```
    // loop over suits and values to add cards to the deck
```

```
    foreach($suits as $suit){
```

```
        foreach($values as $value){
```

```
            $deck[] = array("suit" => $suit, "value" => $value); // add a card to the deck
```

```
        }
```

```
    }
```

```
    return $deck; // return the deck
```

```
}
```

```
// Define a method to get the value of a card
```

```
function getCardValue($card){
```

```
    $value = 0; // set default value to 0
```

```
    switch ($card["value"]) { // switch on the card value
```

```
        case "2":
```

```
            $value = 2;
```

```
            break;
```

```
        case "3":
```

```
            $value = 3;
```

```
            break;
```

```
case "4":  
    $value = 4;  
    break;  
case "5":  
    $value = 5;  
    break;  
case "6":  
    $value = 6;  
    break;  
case "7":  
    $value = 7;  
    break;  
case "8":  
    $value = 8;  
    break;  
case "9":  
    $value = 9;  
    break;  
case "10":  
case "jack":  
case "queen":  
case "king":  
    $value = 10;  
    break;  
case "ace":
```

```

        $value = 11;

        break;
    }

    return $value; // return the value
}


// Define variables

$amount = 200; // amount of money

$bet = 0; // betting money

$quit = false; // variable to quit the game


// Welcome the player to the casino

echo "Welcome to the casino! You have $amount to start.\n";


// Main loop

while (!$quit) {

    // Ask the player if they would like to bet

    echo "Would you like to bet? (y/n)\n";

    $input = readline();

    if ($input == "y") {

        // Ask the player how much to bet

        echo "How much would you like to bet?\n";

        $bet = readline();


        // Check if the player has enough money to bet

```

```
if ($bet > $amount) {  
    echo "Oops! You don't have enough money to bet that much.\n";  
} else {  
    // Create a deck  
    $deck = createDeck();  
  
    // Shuffle the deck  
    shuffle($deck);  
  
    // Create a hand for the player  
    $playerHand = array();  
  
    // Draw two cards for the player  
    for ($i = 0; $i < 2; $i++) {  
        $playerHand[] = array_pop($deck);  
    }  
  
    // Get the value of the player's hand  
    $playerValue = 0;  
    foreach($playerHand as $card){  
        $playerValue += getCardValue($card);  
    }  
  
    // Create a hand for the dealer  
    $dealerHand = array();
```

```
// Draw two cards for the dealer

for ($i = 0; $i < 2; $i++) {

    $dealerHand[] = array_pop($deck);

}


// Get the value of the dealer's hand

$dealerValue = 0;

foreach($dealerHand as $card){

    $dealerValue += getCardValue($card);

}


// Display the player's hand

echo "Your hand:\n";

foreach($playerHand as $card){

    echo "$card[value] of $card[suit]\n";

}

echo "Your hand value: $playerValue\n";


// Display the dealer's hand

echo "Dealer's hand:\n";

foreach($dealerHand as $card){

    echo "$card[value] of $card[suit]\n";

}

echo "Dealer's hand value: $dealerValue\n";
```

```
// Compare the hands
if ($playerValue > $dealerValue) {
    // Player wins
    echo "You win!\n";
    $amount += $bet;
} else if ($playerValue < $dealerValue) {
    // Dealer wins
    echo "You lose!\n";
    $amount -= $bet;
} else {
    // Tie
    echo "It's a tie!\n";
}

// Check if the player has run out of money
if ($amount <= 0) {
    echo "Sorry pal! You ran out of money.\n";
    $quit = true;
}

// Display the amount of money player is left with
echo "You have $amount left.\n";
}
} else {
    // Player does not want to bet
```

```
echo "Goodbye! That was a nice game!!!\n";
```

```
$quit = true;
```

```
}
```

```
}
```

```
?>
```