

Project4 Specifications: Determine Poker Hand

A poker hand can be stored in a two-dimensional array. The statement:

```
Dim aryintCards(4,14) as Integer  
(See AryCardExample.xlsx excel spreadsheet)
```

declares an array which the first subscript 1-4 are the four suits and the second subscript ranges over the card denominations: 1-14: Ace, 2, ..., 10, Jack, Queen, King, Ace (repeated). First subscript of 0 is Total of each denomination. Second subscript of 0 is Total of each suit. Using these totals can determine what hand has been selected.

Write a program that requests the five cards as input from the user, creates the related array, totals the special 0 rows and columns, uses those total to determine the type of hand. Poker hands are:

Deck of Cards: 52 cards.

4 suits: Hearts, Spades, Clubs, Diamonds

13 cards per suit: 2,3,4,5,6,7,8,9,10,Jack,Queen,King,Ace(or 1)

5 Card Stud Poker (no Draws)

Poker Hands - From Greatest to Least:

Royal Flush - Ace, King, Queen, Jack, 10 of the same Suit

Straight Flush - any straight with same suit.

Four of Kind - 4 of the same value

Full House - 3 of same value and 2 of another same value

Flush - all of the same suit.

Straight - sequentially in order none missing any suit.

Three of A Kind - 3 of same value

Two Pair - 2 pairs of the same value

One Pair - 1 pair of the same value

Nothing

Points:	Earned	(Max)
1) Every procedure has a comment	_____	(2)
2) Block comment at beginning of Class Form	_____	(1)
3) All objects follow the naming convention	_____	(2)
4) Form constructed correctly (Appearance only)	_____	(2)
6) Program validates only 5 cards may be selected	_____	(2)
7) Program uses For/Next or Do While loops correctly	_____	(3)
8) Program uses 2-D Array to store information	_____	(2)
9) Program uses Function calls to Check Poker hands	_____	(3)
10) Program produces correct Poker Hand description	_____	(3)
 TOTAL	 _____	 (20)

Shown with Straight Flush selected:

Project4: Poker Hand Determinator

Poker Hand Determinator

Clubs	Diamonds	Hearts	Spades
<input type="checkbox"/> Ace	<input type="checkbox"/> Ace	<input checked="" type="checkbox"/> Ace	<input type="checkbox"/> Ace
<input type="checkbox"/> King	<input type="checkbox"/> King	<input type="checkbox"/> King	<input type="checkbox"/> King
<input type="checkbox"/> Queen	<input type="checkbox"/> Queen	<input type="checkbox"/> Queen	<input type="checkbox"/> Queen
<input type="checkbox"/> Jack	<input type="checkbox"/> Jack	<input type="checkbox"/> Jack	<input type="checkbox"/> Jack
<input type="checkbox"/> 10	<input type="checkbox"/> 10	<input type="checkbox"/> 10	<input type="checkbox"/> 10
<input type="checkbox"/> 9	<input type="checkbox"/> 9	<input type="checkbox"/> 9	<input type="checkbox"/> 9
<input type="checkbox"/> 8	<input type="checkbox"/> 8	<input type="checkbox"/> 8	<input type="checkbox"/> 8
<input type="checkbox"/> 7	<input type="checkbox"/> 7	<input type="checkbox"/> 7	<input type="checkbox"/> 7
<input type="checkbox"/> 6	<input type="checkbox"/> 6	<input type="checkbox"/> 6	<input type="checkbox"/> 6
<input type="checkbox"/> 5	<input type="checkbox"/> 5	<input checked="" type="checkbox"/> 5	<input type="checkbox"/> 5
<input type="checkbox"/> 4	<input type="checkbox"/> 4	<input checked="" type="checkbox"/> 4	<input type="checkbox"/> 4
<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input checked="" type="checkbox"/> 3	<input type="checkbox"/> 3
<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input checked="" type="checkbox"/> 2	<input type="checkbox"/> 2

Show Poker Hand Restart Close

Displays this MsgBox:

Project4

Straight Flush

OK