Lab 2 Questions:

1. Explain in your own words the relationship between a deck and a card.

A deck object consists of a certain number of card objects.

1. Consider the deck initialized with the statements below. How many cards does the deck contain? 6.

String[] ranks = {"jack", "queen", "king"};

String[] suits = {"blue", "red"};

int[] pointValues = {11, 12, 13};

Deck d = new Deck(ranks, suits, pointValues);

1. The game of Twenty-One is played with a deck of 52 cards. Ranks run from ace (highest) down to 2(lowest). Suits are spades, hearts, diamonds, and clubs as in many other games. A face card has point value 10; an ace has point value 11; point values for 2, ..., 10 are 2,..., 10, respectively. Specify the contents of the ranks, suits, and pointValues arrays so that the statement Deck d = new Deck(ranks, suits, pointValues); initializes a deck for a Twenty-One game.

String[] ranks3 = {"two","three","four","five","six","seven","eight","nine","ten","jack","king","queen","ace"};

String[] suits3 = {"spades","hearts","diamonds","clubs"};

int[] pointValues3 = {2,3,4,5,6,7,8,9,10,10,10,10,11};

1. Does the order of elements of the ranks, suits, and pointValues arrays matter?

Not entirely. Every rank will have every suit. Point value will be determined by a rank’s position on the ranks array though.