

• Use of Card Method Summary				
All Methods	nstance Methods C	Concrete Methods		
1odifier and Type	Method	Description		
int	<pre>getSuit()</pre>	Returns the suit of this card.		
java.lang.Strin	g getSuitAsString()	Returns a String representation of the card's suit.		
int	<pre>getValue()</pre>	Returns the value of this card.		
ava.lang.Strin	g_getValueAsString()	Returns a String representation of the card's value.		
java.lang.Strin	g toString()	Returns a string representation of this card, including both its suit and its value (except that for a Joker with value 1, the return value is just "Joker").		
ge • • • to:	tSuitAsStr you don't nee because suit String() M no need to ca	<pre>t() (and working with Card.HEARTS, etc) to ing() for comparing suits ed to know what the exact strings are s are ints, can use == instead of equals to compare eans that System.out.println(card) is nice all toString() explicitly - the system will call it when a in a String context</pre>		

Lab 8 Comments

use of Card

CPSC 124: Introduction to Programming · Spring 2024

Fields			
Modifier and Type	Field	Description	
static int	ACE		
static int	CLUBS		
static int	DIAMONDS		
static int	HEARTS		
static int	JACK		
static int	JOKER		
static int	KING		
static int	QUEEN		
static int	SPADES		

use Card.CLUBS, Card.DIAMONDS, etc – better than working with the suit as a String (which also requires knowing exactly what the String is for each suit)

Lab 8 Comments use an if structure that reflects the nature of the alternatives the alternatives are mutually exclusive (suit can't have int suit = card.getSuit(); more than one value at a if (suit == Card.HEARTS) { ... }
if (suit == Card.CLUBS) { ... } time) so both of these work correctly, but the first is if (suit == Card.SPADES) { ... } structured as a series of if (suit == Card.DIAMONDS) { ... } independent choices - in principle, more than one of the alternatives could happen int suit = card.getSuit(); - while in the second it is if (suit == Card.HEARTS) { ... } clear that at most one else if (suit == Card.CLUBS) { ... } alternative will happen else if (suit == Card.SPADES) { ... } having your code structure else if (suit == Card.DIAMONDS) { ... } match the nature of the situation makes it clearer and helps prevent bugs CPSC 124: Introduction to Programming • Spring 2024

