

Card

Safe Haskell Safe

This code implements a playing card type, including types for ranks and suits. All three types are in the Eq, Ord, Bounded, Enum, Show, and Read classes. Note that we use a compact format for showing and reading ranks and suits: one character each for rank and suit.

Synopsis

Documentation

data **Suit**

A playing card suit. Suits are ordered alphabetically, in the standard order used for Bridge.

Constructors

Club**Diamond****Heart****Spade**

Instances

Bounded **Suit**Enum **Suit**Eq **Suit**Ord **Suit**Read **Suit**Show **Suit**

data **Rank**

A playing card rank. Ranks are ordered 2 - 10, followed by Jack, Queen, King and Ace.

Constructors

R2**R3****R4****R5****R6****R7****R8****R9****R10****Jack****Queen****King****Ace**

Instances

Bounded **Rank**Enum **Rank**Eq **Rank**

Ord	Rank
Read	Rank
Show	Rank

data **Card**

A standard western playing card. Jokers are not supported. Cards are not in the Ord class, but for convenience they are in Bounded and Enum, to make it convenient to enumerate all the cards in a deck. Cards are enumerated with all clubs first, then diamonds, hearts, and spades, and each suit is enumerated from lowest to highest rank.

Constructors

Card
suit :: Suit
rank :: Rank

Instances

Bounded	Card
Enum	Card
Eq	Card
Ord	Card
Read	Card
Show	Card