C3 We Just Boolean

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Ways to Represent Faces and Suits

- Enumerated type for suits, integer value for cards (Page 793 sample code in textbook)
  - Pros:
    - would make input easier, since the name of the card type inputted would directly match the enumerated type.
    - with cards represented as integers, necessary mathematical operations would be very easy
    - would be able to list enum type in order of suit rank
  - Cons:
    - would have to make extra string variables for face cards
    - need to be very proficient in the use of enumerated types
    - is suit declared before card number?

- Represented as all strings
  - Pros:
    - Easier input
    - Very specific variables so no confusion
  - Cons:
    - Too many variables
    - Too many if statements comparing string of input to string of variable
    - Too many lines wasted changing string type to integer type for mathematical operations

Arrays vs Vectors for # of Cards (Page 705 sample code in textbook)

Arrays	Vectors
- Predetermined length of 52 - harder to add cards at top/bottom of deck	- would have to use add function for all 52 - cast int type when necessary - easier to add cards to top/bottom of deck

Accessors/Mutators

- Get card number
    - Return card number
- Set card number
- Get card suit
    - Return card suit
- Cut deck
- Burn card

    - Future classes would run the main program as to specifics uses of the cards, while using some or all of the accessors/mutators above