

CLASS player that represents player methods and it's attributes

INIT attrr for each player:

- name as string
- player hand list that hold cards
- is player currently in god mode
- is player currently in resurrect mode
- player has god spell?
- player has resurrect spell?
- points
- is player computer

METHOD choose_characteristics:

- gets chosen card and PRINT its choose_characteristics
- IF player is computer RETURN random choose_characteristics
 - WHILE chosen characteristic is wrong ask user to chose the right one
- RETURN INPUT choose_characteristics

METHOD give_card

- through this method we append cards to player hand

METHOD won

- add player point by one

METHOD dice_throw

- RETURN a random int (0,6)

METHOD draw_card

- RETURN one card from card list at desire index

METHOD ask_play_god

- IF player not used it's god spell:
 - IF player is computer:
 - randomly choose Whether to use spell or not if yes call use_spell method and add it's state instance
 - IF player is not computer:
 - PRINT would you like to play god spell?
 - IF yes call use_spell method and save it's state

METHOD use_spell

- gets spell we want to use and change instance state for using that spell

METHOD ask_play_resurrect

- IF player is computer:
 - randomly choose Whether to use spell or not if yes call use_spell method and add it's state instance
- IF player is not computer:
 - PRINT would you like to play resurrect spell?
 - IF yes call use_spell method and save it's state

END CLASS

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CLASS deck
  INIT:
    deck name
    deck cards

  METHOD add_cards
    add cards to deck

  INNER METHOD __repr__ to show deck name

  METHOD shuffle
    to shuffle cards using random numbers

  METHOD distribute_cards(player1,player2):
    WHILE we have cards:
      call player1 Give Card method
      call player2 Give Card method

END CLASS

CLASS outdated_deck INHERITS FROM deck
  INIT:
    inherits all methods from deck CLASS

  METHOD add and shuffle
    add cards and shuffle it

  METHOD draw random card
    RETURN random card from this deck

END CLASS

CLASS character:
  INIT:
    name
    characteristics dictionary

END CLASS

CLASS play_card INHERITS FROM character
  INIT:
    inherits all from character

  METHOD repr:
    return card name

  METHOD compare
    gets opponent card and characteristic for compare

define cards as play_card instance
define outdated deck instance
define main deck
add cards to main deck
shuffle main deck

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define instance for player1
INPUT would you like to play with computer?
IF yes
    define player 2 instance as computer with it's attributes
IF no:
    define player 2 as ordinary player

distribute cards from main deck method to player 1,player2

WHILE dice results are equal
    throw dice for each player

IF dice1_result > dice2_result:
    consider player 1 as starter
    consider player 2 as opponent
ELSE
    consider player 2 as starter
    consider player 2 as opponent

define counter for counting rounds

WHILE both players have at least 1 card in hand
    rounds+=1
    PRINT rounds
    starter.ask_play_resurrect()
    starter draw card and chose it's characteristics with it's corresponding method
    starter ask play god

    opponent ask play resurrect

    IF starter is currently in god spell mode AND opponent is in resurrect spell mode:
        check if starter is computer or not
        IF starter is computer randomly chose if opponent should play resurrect card or randomly chosen card
        IF starter is not computer INPUT would you like let opponent use resurrected card?
        opponent chosen card will draw at index or top of the hand based on conditions

    IF starter points more than other:
        starter won method will be called to add point
    ELSE:
        opponent won method will be called to add points
        and starter,opponent replace their place

    starter will reset current spell if it's using any
    opponent will reset current spell if it's using any

END WHILE

IF starter.points > opponent.points:
    PRINT starter.name wins
ELSE:
    PRINT opponent.name wins

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