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Homework 3 Summary

The purpose of this program is to create a Yahtzee game where the entire game can be played by a single user. For this iteration of the program I broke the main class into 3 smaller classes to keep the program more organized. I did it this way to make my code cleaner and more readable and to prepare for it's use in a GUI environment. One major programming issue I encountered was the use of keeping track of which lines needed to be hidden when showing the options of which score the user can keep. I used an integer array rather than a string array because I found it easier to just vary the labels on the lower scorecard based on the number of upper scorecard options I had. If I had more time I would fix my calculate total function and make it more usable across all of the other functions and I would clean my code up by removing redundancies and create more functions to separate code further.

Yahtzee
sortArray
play

Scorecard
selectLine
calculateBonus
upperScorecard
lowerScorecard
maxStraightFound
fullHouseFound
maxOfAKindFound
totalAllDice

file
readFile
writeFile

dice
rollDie
SetUpDiceRolls