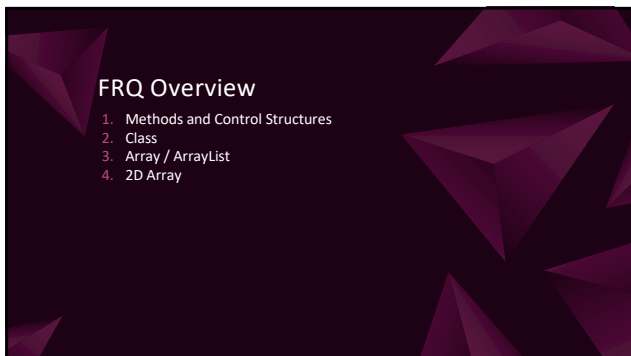
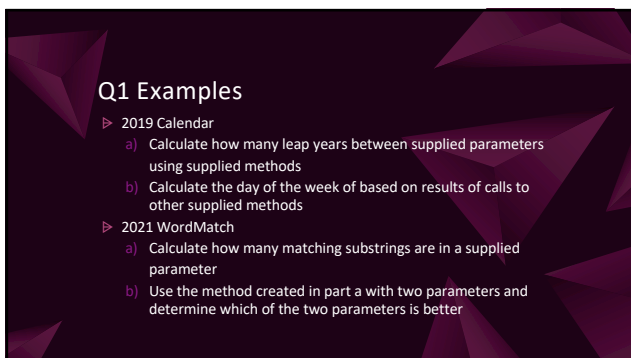


1



2



3

Q2 Examples

- ▶ 2018 WordPair
 - ▶ Write the WordPairList constructor that takes a String [] as a parameter and uses it to fill an ArrayList<WordPair> data member
 - ▶ Write the WordPairList method numMatches that calculates the number of pairs that have matching strings stored in the data member
- ▶ 2021 CombinedTable
 - ▶ Write the CombinedTable class
 - ▶ Write the constructor that takes two different SingleTable objects
 - ▶ Write the canSeat(int) method that uses the results from calls to the getNumSeats method
 - ▶ Write the getDesirability method that uses the results of getHeight and getViewQuality to calculate the average

4

Q3 Example 2019: Delimiters

- ▶ Part A
 1. Make ArrayList<String>
 2. Iterate tokens w/o bounds errors
 3. Compare Strings in loop correctly
 4. Add to list correctly
- ▶ Part B
 5. Init accumulator
 6. Access all elements
 7. Compare with instance variables and update
 8. Id and return boolean value once
 9. Id and return boolean value all cases

5

Q4 Examples

- ▶ 2018 ArrayTester
 - ▶ 2D Array of int
 - a) Extract a column specified by parameter
 - b) Use part a method and helper methods to determine if a Latin square
- ▶ 2019 LightBoard
 - ▶ 2D Array of boolean
 - a) In the constructor, create a 2D based on parameters and assign values based on probability
 - b) Iterate over specified column and check other values to determine result
- ▶ 2021 ArrayResizer
 - ▶ 2D Array of int
 - a) Check for zeroes and return true/false
 - b) Create new array based on result of part a and supplied helper method

6
