Test Procedure: LOAFR Execution

Test Case 1 Single CSV File read

Purpose:
Find all logfile entries where the player is on the Bengals team

Owner:
Test/Tools Group

Expected Results:
The data will be loaded without errors and the user will be able to narrow down the search to return just the entries which contain players from the Bengals. In this logfile of ~ 30 players, 3 entries contain Bengals players.

Test Data: Data Directory: /Loafr-Project/testFiles
Datafile: testSingleCsv.csv

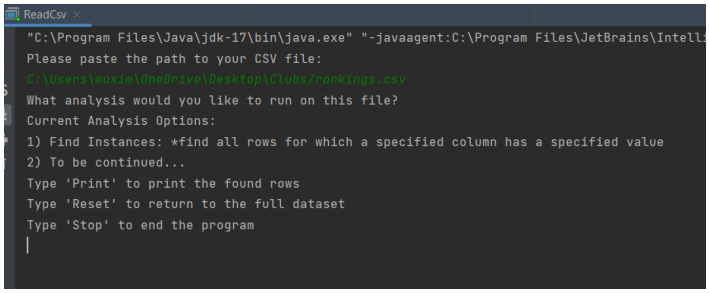
Test Tools: JUnit5 Testing Framework

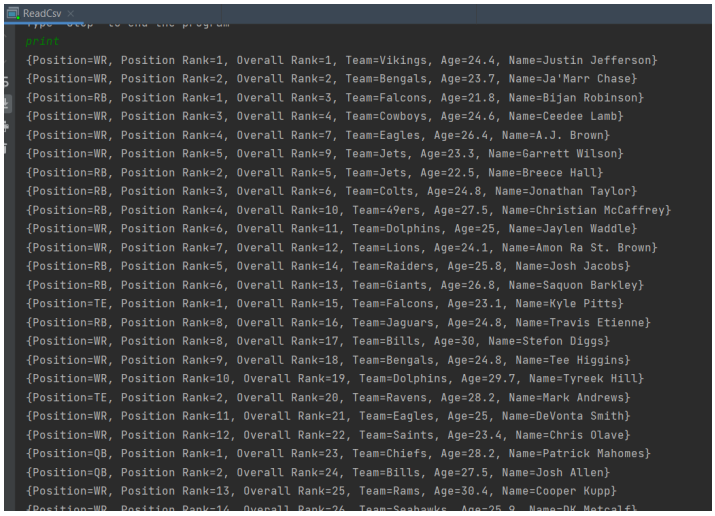
Dependencies: N/A

Initialization: LOAFR System program is built in IDE of choice.

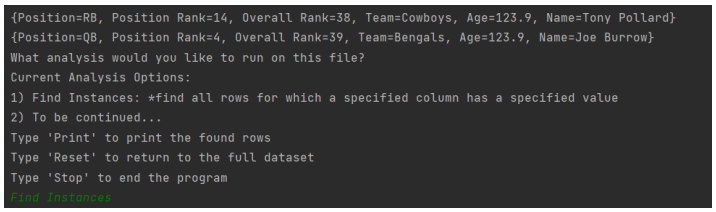
Scenario: The user has a csv file which contains a list of a subset of NFL players and information about them. They would like to see which players in the list play for the Bengals. The user's goal is to narrow down the list of players to only those whose team is the Bengals so that they don't have to search through the whole file.

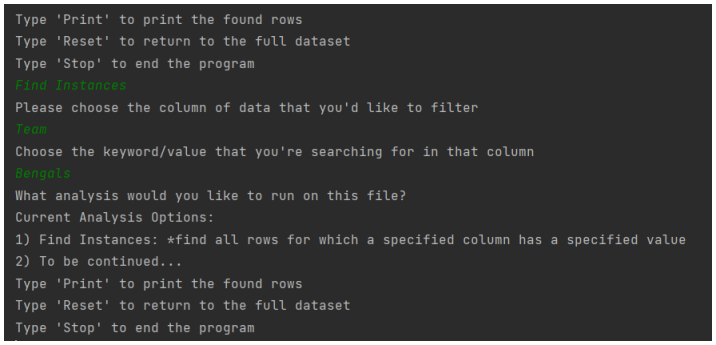
Step 1	The user runs the loafr system
Expected Result	The output terminal will open and prompt the user to input a csv file or file path
Scenario Result	

Step 2	The user adds a path to the rankings csv file on their computer
Expected Result	The output terminal will accept the file and open the list of options
Scenario Result	

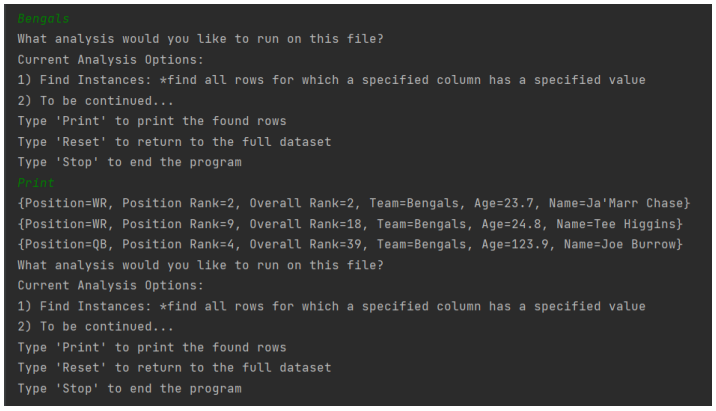
Step 3	The user types "Print" to see the entire dataset they are working with
Expected Result	The output terminal will print all of the data from the csv
Scenario Result	

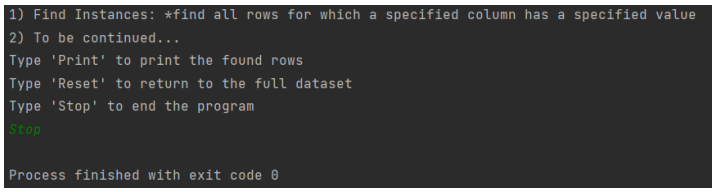
Step 4	The options list is back on the terminal, so the user chooses option one and types 'Find Instances'

Expected Result	The output terminal will ask for the column they'd like to look for data in, and then it will ask for the keyword that the user wants to see in that column
Scenario Result	

Step 5	The user chooses the column "Team" and the keyword "Bengals" to filter for Bengals players like they want
Expected Result	The output terminal will ask for the column they'd like to look for data in, and then it will ask for the keyword that the user wants to see in that column. The options menu comes back up, but the new working dataset is the filtered set that the user wanted
Scenario Result	

Step 6	The user types "Print" to see their filtered set
Expected Result	The output terminal print the entries of the original column for which the players are on the Bengals team

Scenario Result	

Step 7	The user types "Stop" to end the program
Expected Result	The program will end
Scenario Result	

<u>Requirements Met to the Required Extent for this Limited Implementation</u>

- **see SRS-2nd rev from P2 for requirements documentation**

REQ-1
REQ-2
REQ-3
REQ-5
REQ-16
REQ-17
REQ-18 (half of it)
REQ-24
REQ-25
REQ-28
REQ-30
REQ-33
REQ-35
REQ-36

Unit Test Cases 2-9

Purpose: Verify that the LOAFR Software works as intended

Owner: Test/Tools Group

Expected Results: Vary per function; read() will return a list of hashmaps that consist of the data in the csv file, findInstances() will return a list of hashmaps that consist of the data you specified, and printList() will print every element in the current list

Test Data: Data Directory: /Loafr-Project/testFiles
Datafile: testSingleCsv.csv, testMultipleCsv.csv

Test Tools: JUnit5 Testing Framework

Dependencies: None

Initialization: Initialize objects from the ReadCsv, Analyze, and Output classes. Then setup the expected lists that will be produced by each class function

Description: The datafiles are manipulated and tested against the expected results to see whether the function works as intended

Function	Test Cases	Findings
read()	2, 3, 4	Random unidentifiable character would append to a header from the csv file, successfully able to replace it with an empty character since it was never input in the string in the first place
findInstances()	5, 6, 7	None
printList()	8, 9	None

Test Case	Date Last Run	Pass or Fail
2: Single CSV Entry read()	11-21-23	P
3: Multiple CSV Entries read()	11-21-23	P
4: read() Error	11-21-23	P
5: Single CSV Entry findInstances()	11-21-23	P
6: Multiple CSV Entries findInstances()	11-21-23	P
7: findInstances() Error	11-21-23	P
8: Single CSV Entry printList()	11-21-23	P
9: Multiple CSV Entries printList()	11-21-23	P