

Harland Norcott, Sam Gatchell, Brady Roy, Bill Ngoga Ngabo

RALtester3 results:

testing routine for RaggedArrayList

insertion order: qwertyuiopasdfghjklzxcvbnmaeiou

The number of comparison to build the RaggedArrayList = 234

TEST: after adds - data structure dump

[0] -> [a][a][b][c][d][][]

[1] -> [e][e][f][g][h][i][][]

[2] -> [j][j][k][l][m][][][]

[3] -> [n][o][o][p][q][][][]

[4] -> [r][s][t][][]

[5] -> [u][u][v][w][x][y][z][]

[6] -> null

[7] -> null

STATS:

list size N = 31

square root of N = 5.568

level 1 array 6 of 8 used.

level 2 array sizes: min = 3 used, avg = 5.2 used, max = 7 used

Successful search: min cmps = 2, avg cmps = 31.7, max cmps 62

TEST: contains("c") ->true

TEST: contains("7") ->true

TEST: toArray

[a][a][b][c][d][e][e][f][g][h][i][j][j][k][l][m][n][o][o][p][q][r][s][t][u][u][v][w][x][y][z]

TEST: iterator

[a][a][b][c][d][e][e][f][g][h][i][j][j][k][l][m][n][o][o][p][q][r][s][t][u][u][v][w][x][y][z]

TEST: sublist(e,o)

[0] -> [e][e][][]

[1] -> [f][g][][]

[2] -> [h][i][][]

[3] -> [j][j][][]

[4] -> [k][l][m][n][][][][]

[5] -> null

[6] -> null

[7] -> null

Task 2.2 results:

- “We don’t need no education”
 - Total matches found: 4
 - First 10 matches:
 - Artist: Pink Floyd, Title: Another Brick In The Wall (Part II)
 - Artist: Prince, Title: Dance On
 - Artist: Prince, Title: I Rock Therefore I Am
 - Artist: Prince, Title: The Sacrifice Of Victor
- “she loves my car”
 - Total matches found: 4
 - First 10 matches:
 - Artist: Bob Dylan, Title: Talkin' World War III Blues
 - Artist: Crosby Stills Nash & Young, Title: Faith In Me
 - Artist: Elton John, Title: Religion
 - Artist: Scorpions, Title: Here Comes My Baby
- “blue jeans”
 - Total matches found: 19
 - First 10 matches:
 - Artist: Allman Brothers Band, Title: The Heat Is On
 - Artist: Beatles, The, Title: Don't Ever Change
 - Artist: Bob Dylan, Title: House Of The Rising Sun
 - Artist: Bruce Springsteen, Title: Cadillac Ranch
 - Artist: Bruce Springsteen, Title: Ramrod
 - Artist: Cat Stevens, Title: Oh Very Young
 - Artist: Clash, The, Title: If Music Could Talk
 - Artist: David Bowie, Title: Lady Stardust
 - Artist: David Bowie, Title: Tumble And Twirl
 - Artist: Elton John, Title: Crocodile Rock
- “little”
 - Total matches found: 1675
 - First 10 matches:
 - Artist: Aerosmith, Title: Adam's Apple
 - Artist: Aerosmith, Title: Animal Crackers
 - Artist: Aerosmith, Title: Big Ten Inch Record
 - Artist: Aerosmith, Title: Bitch's Brew
 - Artist: Aerosmith, Title: Black Cherry
 - Artist: Aerosmith, Title: Blind Man
 - Artist: Aerosmith, Title: Can't Stop Messin'
 - Artist: Aerosmith, Title: Chip Away At The Stone
 - Artist: Aerosmith, Title: Crash
 - Artist: Aerosmith, Title: Deuces Are Wild
- “notaword”
 - Total matches found: 0
 - First 10 matches:

There are no known bugs in our code.