

COMP5511 - Assignment 1

Group 7

THI NGOC HOP NGUYEN, ID 29729283

WEIWEI XIAO, ID 40069298

ADNAN ALI, ID 40181614

PATRICK DRUMMOND, ID 40185198

Question 4 - Programming:

Answer: The top of the final stack is the string "Fidalgo"

Source codes includes 3 files:

- *Assignment1.java : contains the main function

- *Stack.java : implementation of stack ADT

- *SinglyLinkedList.java: implementation of singly linked list ADT

Results after running the source codes with the input file "ds20s-a1.txt" :

Pushing this element to the stack: Afrati

Pushing this element to the stack: Ojha

Pushing this element to the stack: Ng

Pushing this element to the stack: Ezeife

Pushing this element to the stack: Paquet

Pushing this element to the stack: Maher

Pushing this element to the stack: Thulasiram

Pushing this element to the stack: Zsaki

Pushing this element to the stack: Talia

Popping the stack, the top element is: Talia

Pushing this element to the stack: Verbrugge

Pushing this element to the stack: Voigt

Pushing this element to the stack: Chen

Popping the stack, the top element is: Chen

Pushing this element to the stack: Serrano
Pushing this element to the stack: Zhao
Pushing this element to the stack: Fazzinga
Pushing this element to the stack: Damigos
Pushing this element to the stack: Zeier
Pushing this element to the stack: Papatheodorou
Pushing this element to the stack: Cuadrado-gallego
Pushing this element to the stack: Lee
Popping the stack, the top element is: Lee

Pushing this element to the stack: Vieira
Pushing this element to the stack: Fengxing
Pushing this element to the stack: Chen
Pushing this element to the stack: Assels
Pushing this element to the stack: Asaduzzaman
Pushing this element to the stack: Evermann
Pushing this element to the stack: Hooshadat
Pushing this element to the stack: Pager
Pushing this element to the stack: Selmaoui-folcher
Pushing this element to the stack: Vieira
Pushing this element to the stack: Ivanova
Pushing this element to the stack: Bellatreche
Pushing this element to the stack: Wadii
Pushing this element to the stack: Santos
Pushing this element to the stack: Shershakov
Pushing this element to the stack: Luo
Pushing this element to the stack: Taherian
Pushing this element to the stack: Muller
Pushing this element to the stack: Mokhtar
Pushing this element to the stack: Speicher
Pushing this element to the stack: Al azwari
Pushing this element to the stack: Canahuate
Pushing this element to the stack: Song
Popping the stack, the top element is: Song

Pushing this element to the stack: Cervantes
Pushing this element to the stack: Cercone
Pushing this element to the stack: Waseem
Pushing this element to the stack: Rabby
Pushing this element to the stack: Takayama
Pushing this element to the stack: Boehmann
Popping the stack, the top element is: Boehmann

Pushing this element to the stack: Harrati
Pushing this element to the stack: Costa
Popping the stack, the top element is: Costa

Printing the stack...

Harrati
Takayama
Rabby
Waseem
Cercone
Cervantes
Canahuate
Al azwari
Speicher
Mokhtar
Muller
Taherian
Luo
Shershakov
Santos
Wadii
Bellatreche
Ivanova
Vieira
Selmaoui-folcher
Pager

Hooshadat
Evermann
Asaduzzaman
Assels
Chen
Fengxing
Vieira
Cuadrado-gallego
Papatheodorou
Zeier
Damigos
Fazzinga
Zhao
Serrano
Voigt
Verbrugge
Zsaki
Thulasiram
Maher
Paquet
Ezeife
Ng
Ojha
Afrati

Finished printing.

Pushing this element to the stack: Petrov
Popping the stack, the top element is: Petrov

Pushing this element to the stack: Graefe
Pushing this element to the stack: Cansian
Pushing this element to the stack: Junior
Pushing this element to the stack: Ribeiro

Pushing this element to the stack: Fidalgo
Pushing this element to the stack: Neves
Pushing this element to the stack: Silva
Popping the stack, the top element is: Silva

Popping the stack, the top element is: Neves

Printing the stack...

Fidalgo
Ribeiro
Junior
Cansian
Graefe
Harrati
Takayama
Rabby
Waseem
Cercione
Cervantes
Canahuat
Al azwari
Speicher
Mokhtar
Muller
Taherian
Luo
Shershakov
Santos
Wadii
Bellatreche
Ivanova
Vieira
Selmaoui-folcher
Pager
Hooshadat

Evermann
Asaduzzaman
Assels
Chen
Fengxing
Vieira
Cuadrado-gallego
Papatheodorou
Zeier
Damigos
Fazzinga
Zhao
Serrano
Voigt
Verbrugge
Zsaki
Thulasiram
Maher
Paquet
Ezeife
Ng
Ojha
Afrati

Finished printing.
