

NORTH WESTERN UNIVERSITY



Report

Course Code: CSE-2104

Course Title: Data Structures Laboratory

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Introduction

This app is made with Python programming language .this design divide into two parts .first one is array and second one is linked list.

The first part can take elements as input also can edit those elements in many ways as insert, delete, update and search.

The second part is linked list. It can take node from user and make a linked list.

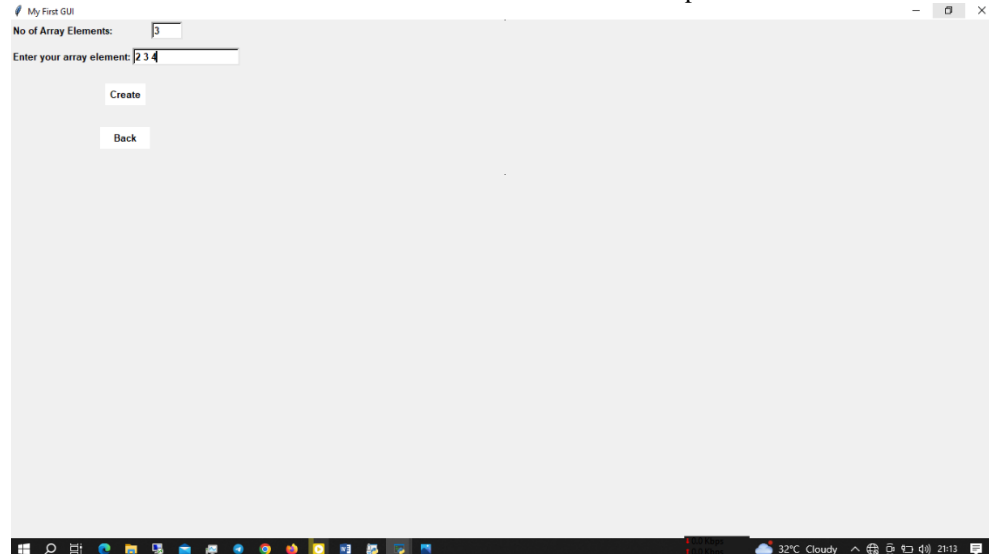
It can store this data for later use.

This also can insert those node, delete those node and update it.

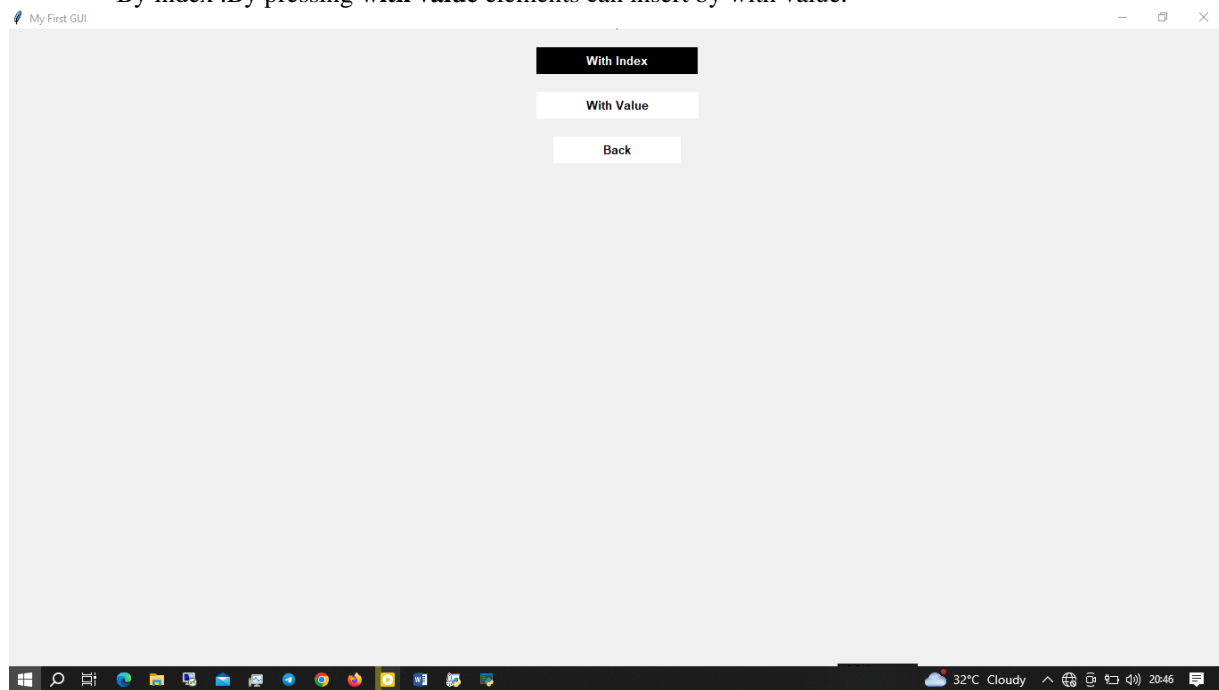
Description:

ARRAY

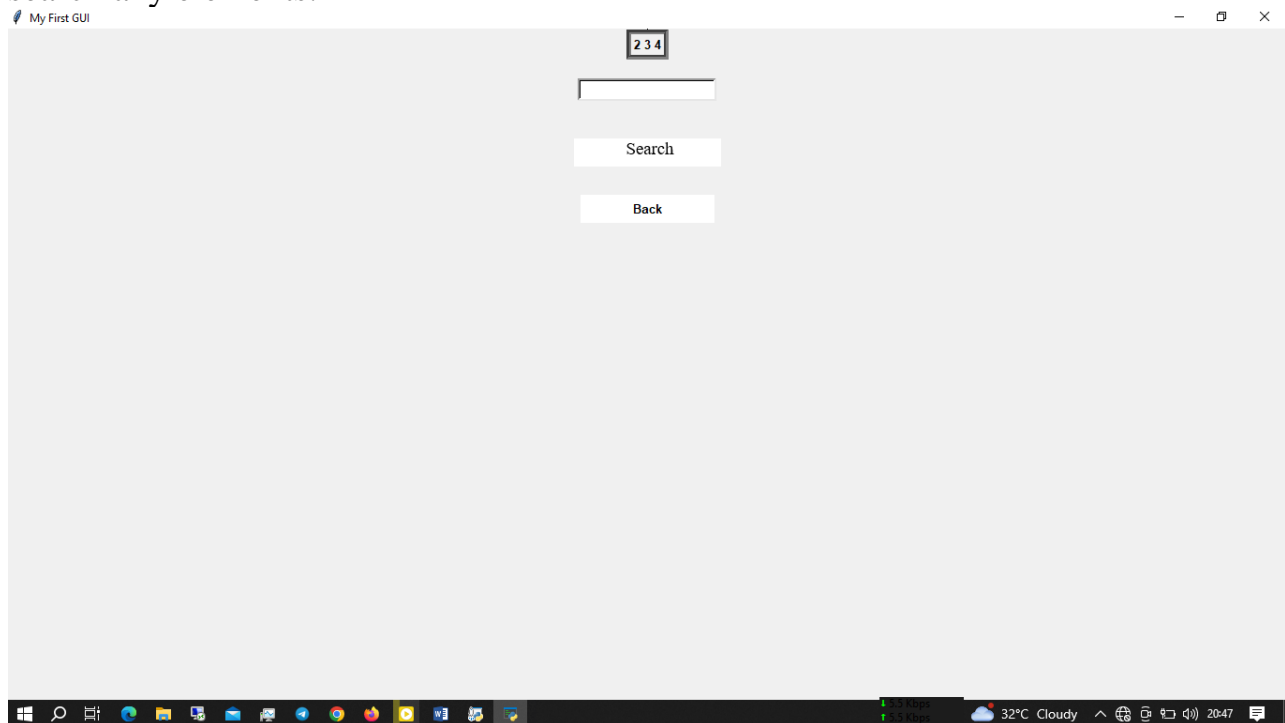
CREAT: Enter the no of elements and enter the elements then press the create button to create the array.



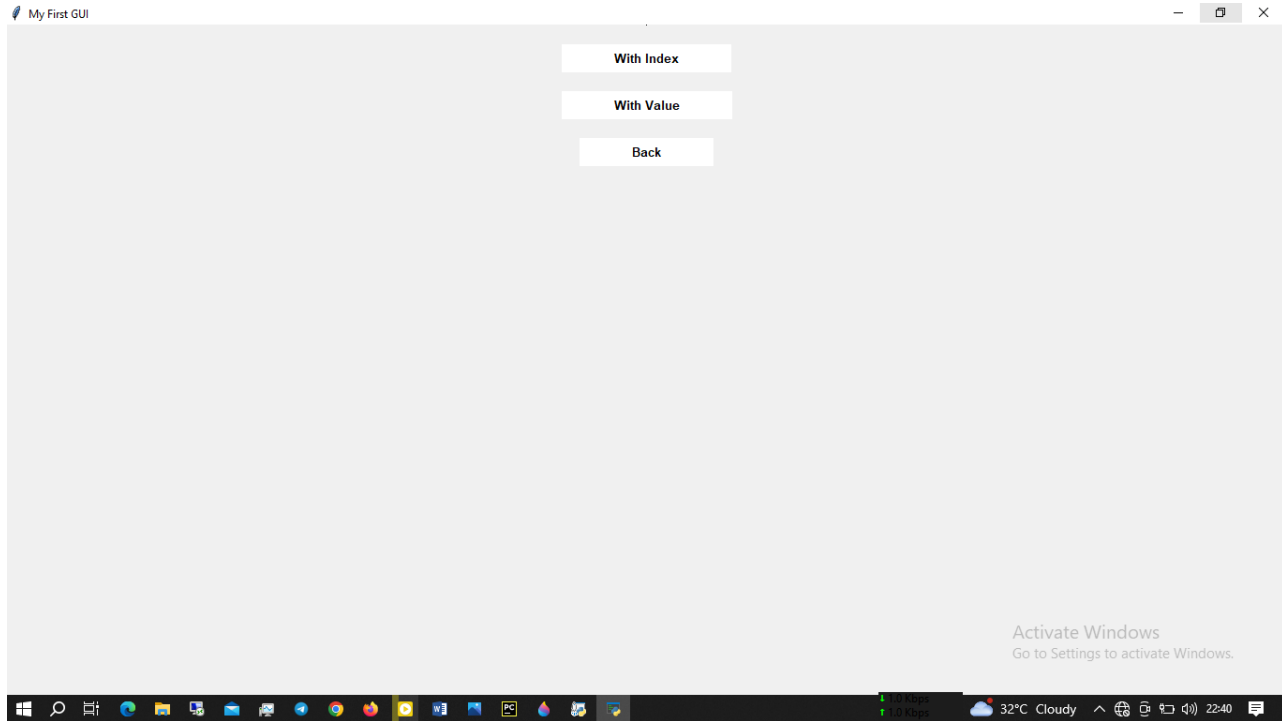
Insert: elements can be insert in two ways, with index and with value .By pressing **with index** elements can insert By index .By pressing **with value** elements can insert by with value.



Search: To search any element user enter the element and press the search button to search any elements.

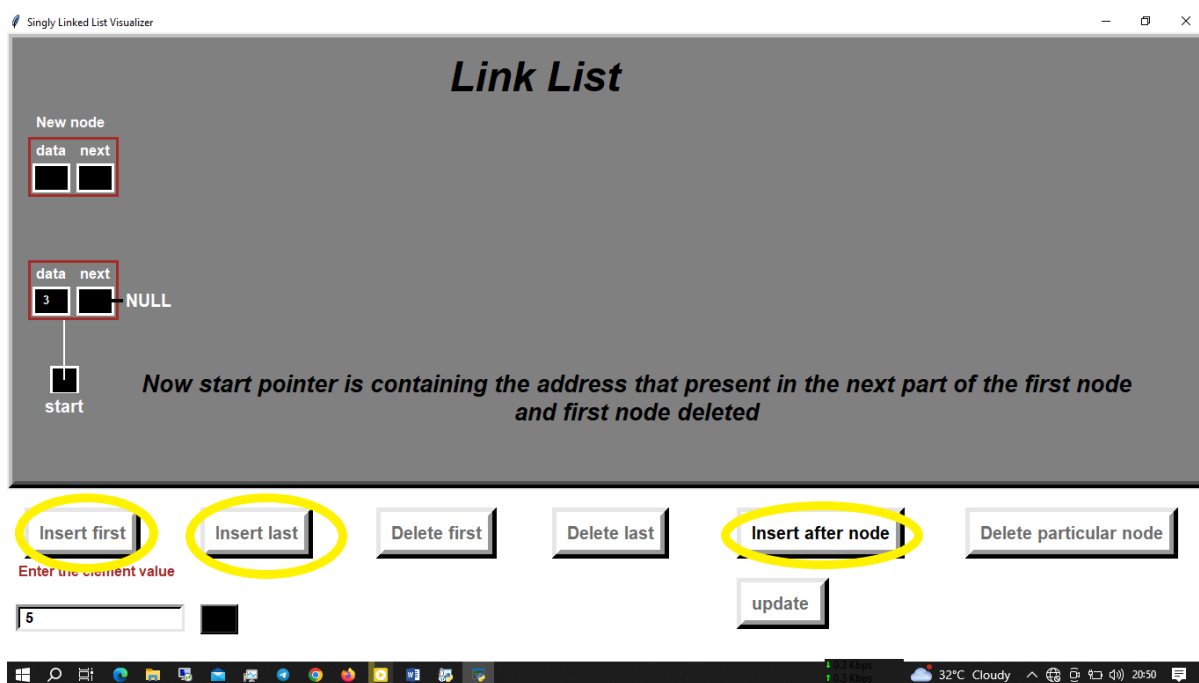


Delete: User can delete the element in two ways. First by enter the index number and next by enter the elements value. By pressing those two button.

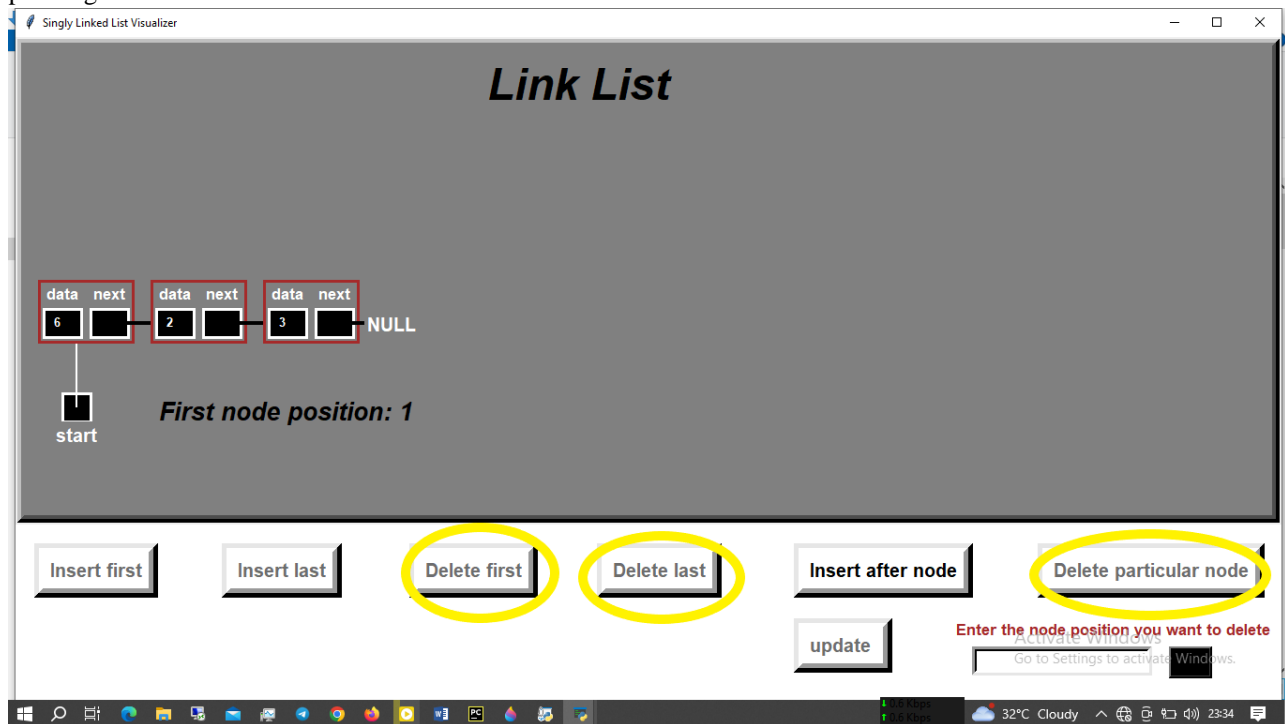


Linked list

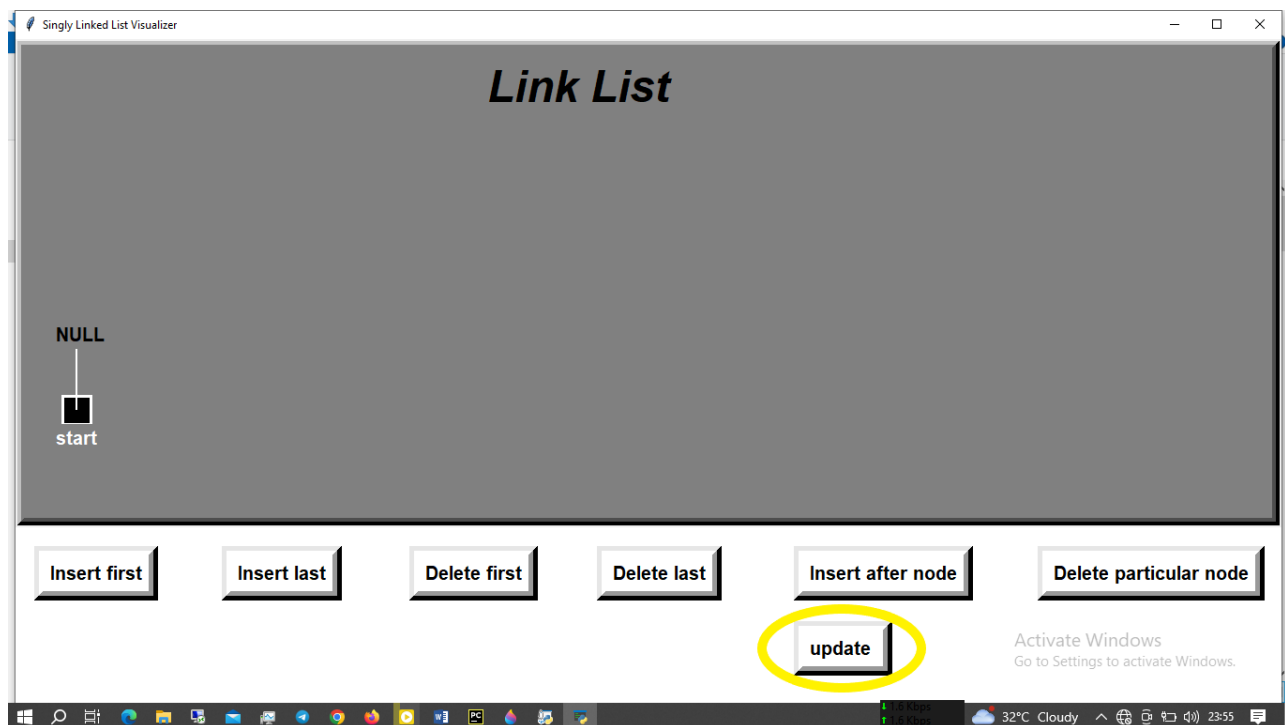
Insert: User can insert three ways insert first insert last and insert after node. By pressing those button user can insert nodes.



Delete: Nodes can be deleted by three ways, delete first, delete last and delete particular node. By pressing this button user can delete their node.



Update: to update the node on the list user use this button to update their list.



Dependencies:

PyCharm Community Edition: For built this project we use Java language and Java Built in Packages. For that we need a good compiler to compile and run the program that why we use it. Also it is very easy to use.

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