Universidad Tecnológica del Norte de Guanajuato “UTNG”

Organismo público descentralizado del Gobierno del Estado de Guanajuato

Docente:

Gabriel Barron Rodriguez

Programa educativo:

Licenciatura en Ingeniería en Tecnologías de la Información e Innovación Digital

Materia:

Estructura de Datos

Grupo:

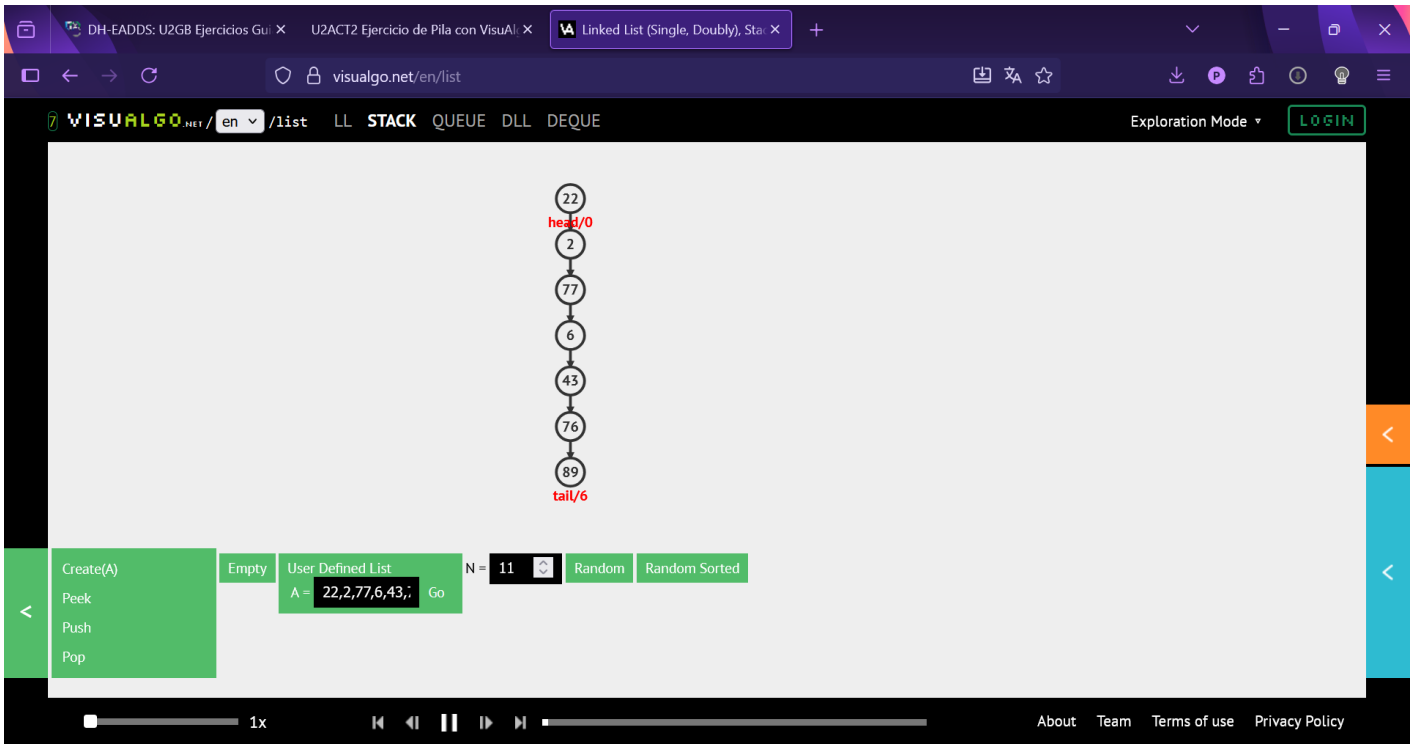
GTID141

Alumno:

Manuel Alejandro Tavares Hernández

Fecha:

20 de octubre de 2025


DH-EADDS: U2GB Ejercicios Gui
U2ACT2 Ejercicio de Pila con VisuAl
Linked List (Single, Doubly), Sta
visualgo.net/en/list
VISUALGO.NET / en /list LL STACK QUEUE DLL DEQUE
Exploration Mode
LOGIN
22
head/0
2
77
6
43
76
89
tail/6
Create(A)
Peek
Push
Pop
Empty
User Defined List
A = 22,2,77,6,43,
Go
N = 11
Random
Random Sorted
1x
About
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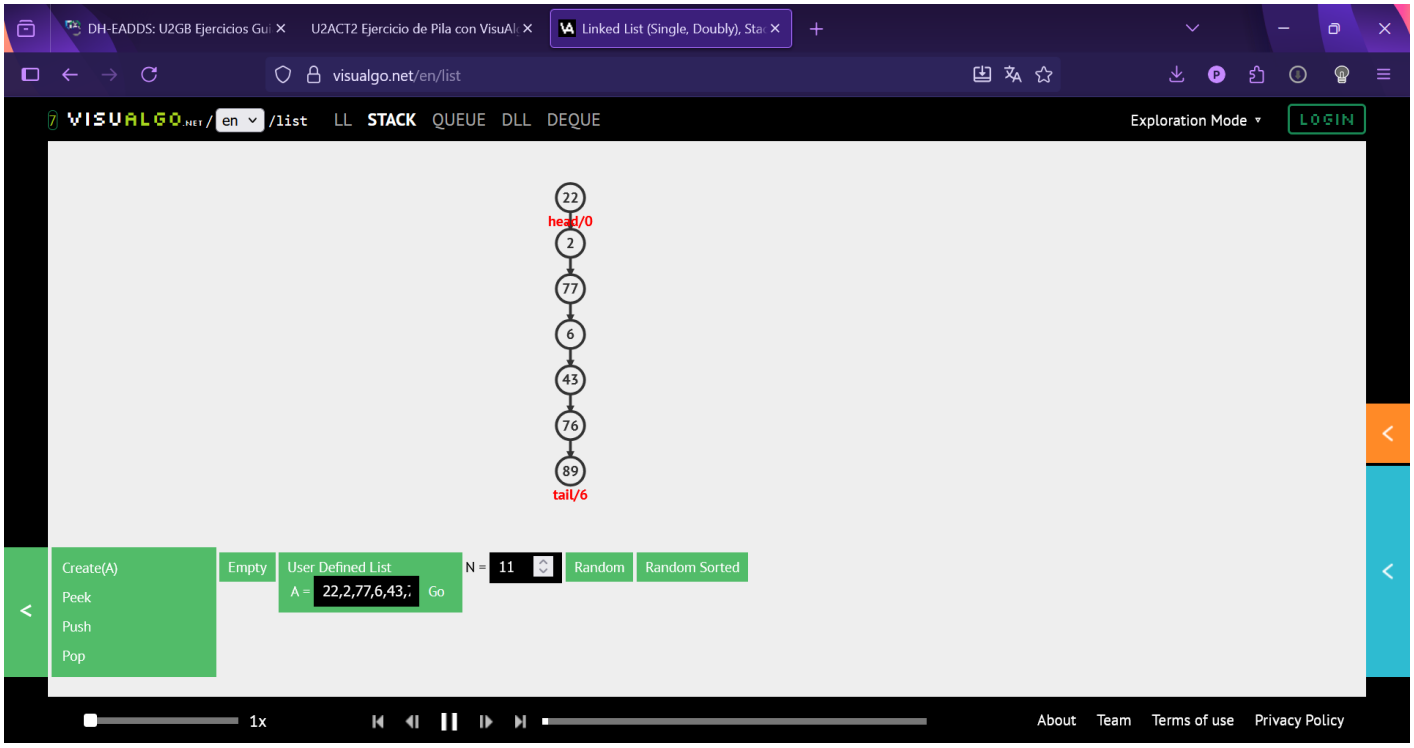
Privacy Policy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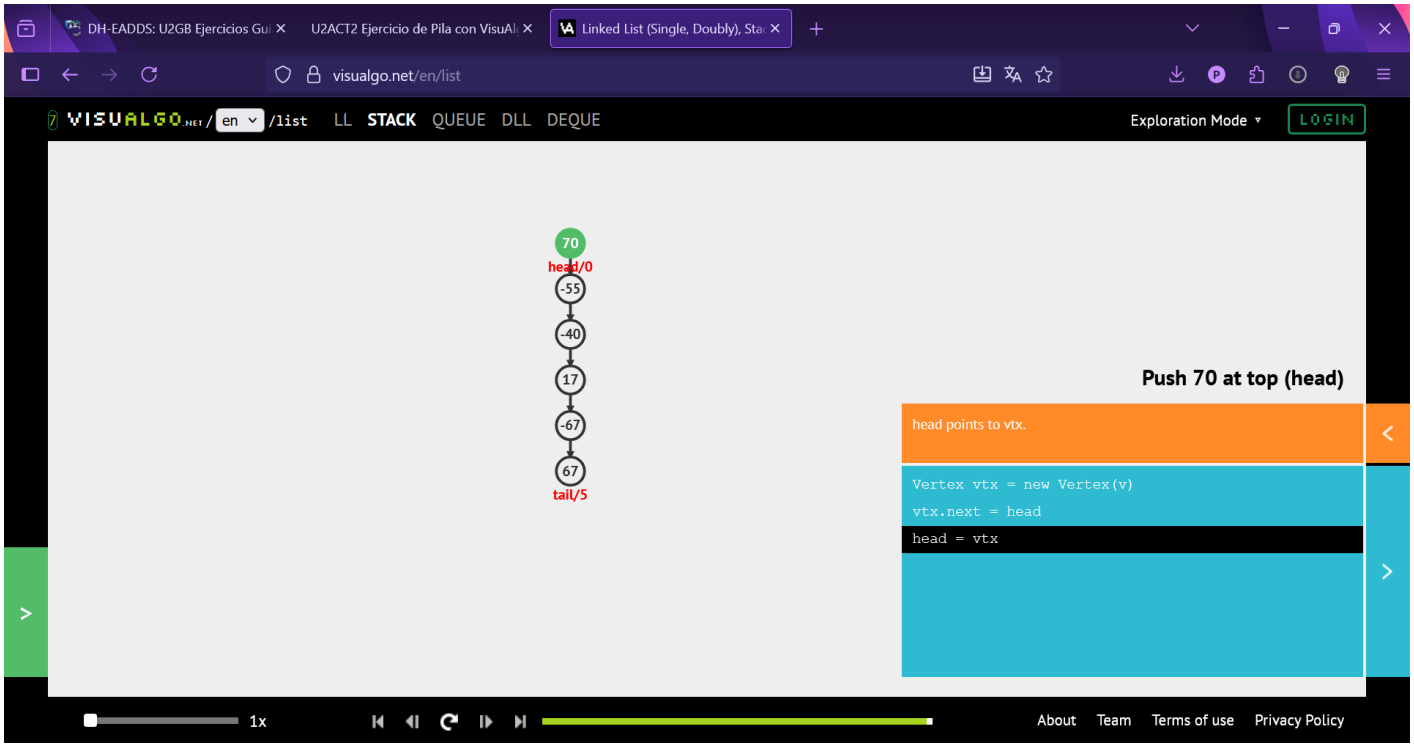
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U2ACT2 Ejercicio de Pila con VisuAl
Linked List (Single, Doubly), Sta
visualgo.net/en/list
VISUALGO.NET / en /list
LL STACK QUEUE DLL DEQUE
Exploration Mode
LOGIN
70
head/0
-55
-40
17
-67
67
tail/5
Push 70 at top (head)
head points to vtx.
Vertex vtx = new Vertex(v)
vtx.next = head
head = vtx
1x
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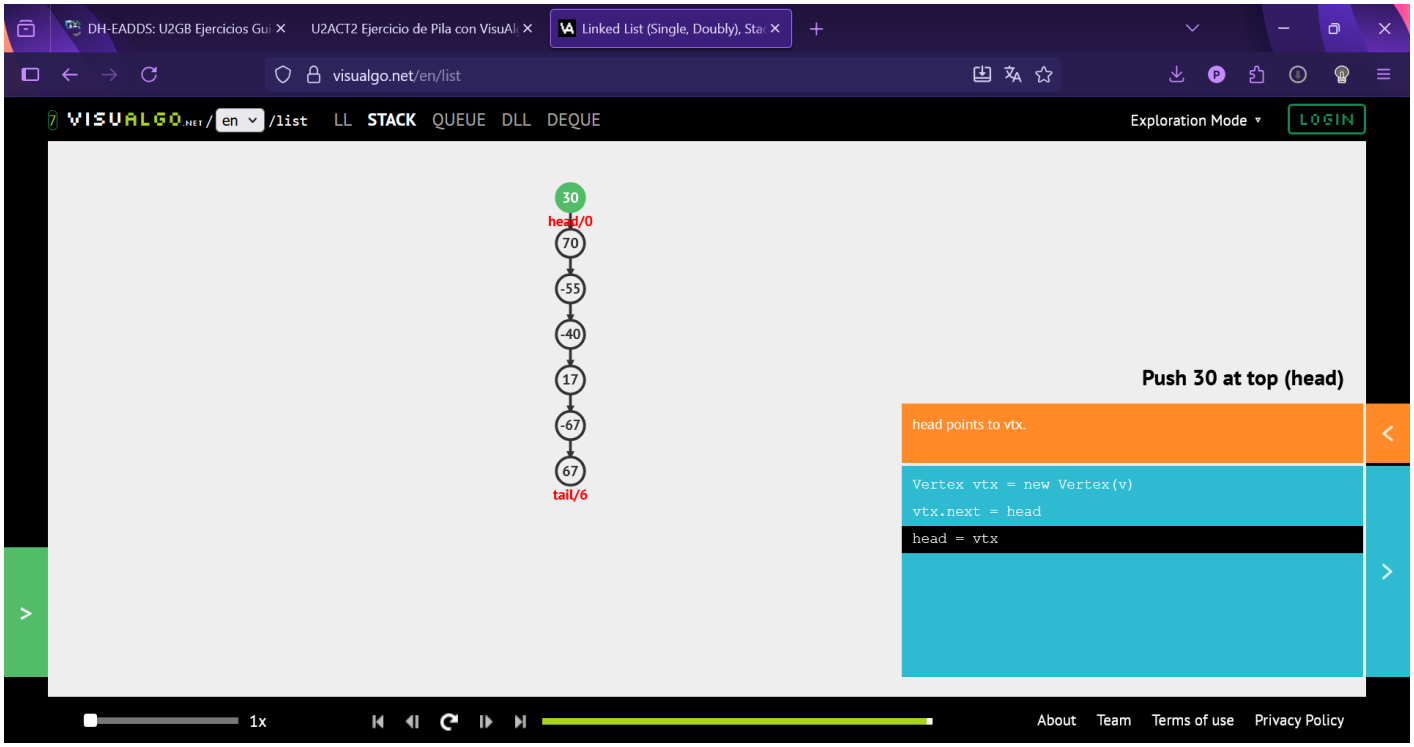
DH-EADDS: U2GB Ejercicios Gui
U2ACT2 Ejercicio de Pila con VisuAl
Linked List (Single, Doubly), Sta
visualgo.net/en/list
VISUALGO.NET / en /list
LL STACK QUEUE DLL DEQUE
Exploration Mode
LOGIN
30
head/0
70
-55
-40
17
-67
67
tail/6
Push 30 at top (head)
head points to vtx.
Vertex vtx = new Vertex(v)
vtx.next = head
head = vtx
1x
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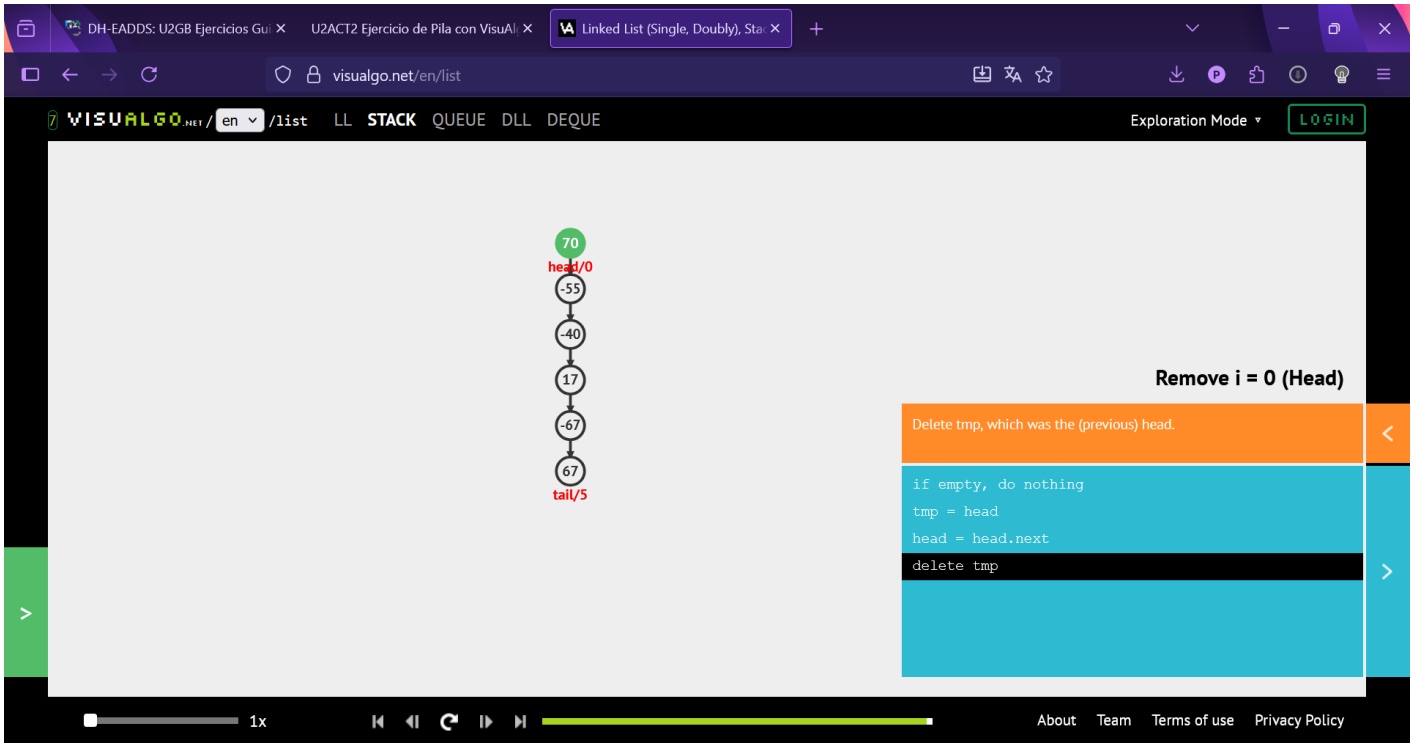
DH-EADDS: U2GB Ejercicios Gui
U2ACT2 Ejercicio de Pila con VisuAl
Linked List (Single, Doubly), Star
visualgo.net/en/list
VISUALGO.NET / en /list
LL STACK QUEUE DLL DEQUE
Exploration Mode
LOGIN
70
head/0
-55
-40
17
-67
67
tail/5
Remove i = 0 (Head)
Delete tmp, which was the (previous) head.
if empty, do nothing
tmp = head
head = head.next
delete tmp
1x
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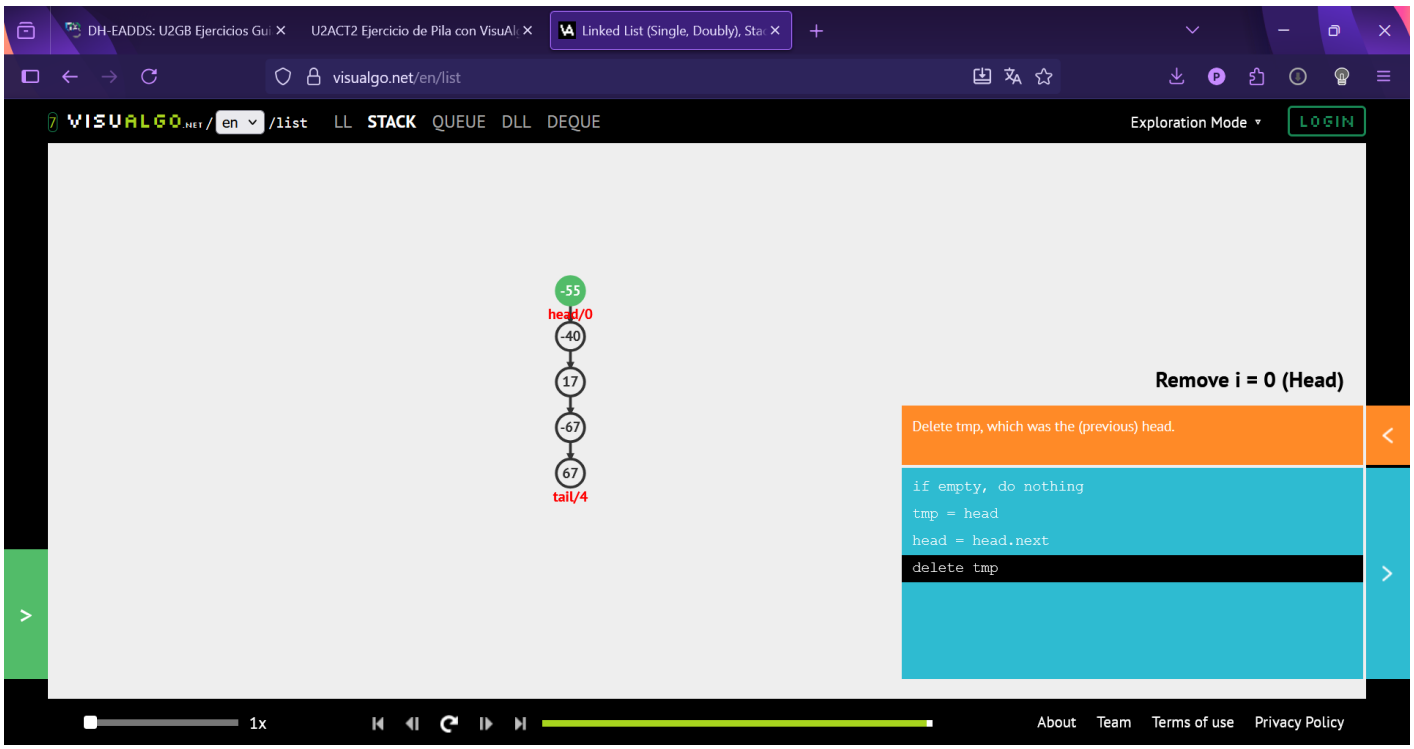
DH-EADDS: U2GB Ejercicios Gui
U2ACT2 Ejercicio de Pila con VisuAl
Linked List (Single, Doubly), Star
visualgo.net/en/list
VISUALGO.NET / en /list
LL STACK QUEUE DLL DEQUE
Exploration Mode
LOGIN
-55
head/0
-40
17
-67
67
tail/4
Remove i = 0 (Head)
Delete tmp, which was the (previous) head.
if empty, do nothing
tmp = head
head = head.next
delete tmp
1x
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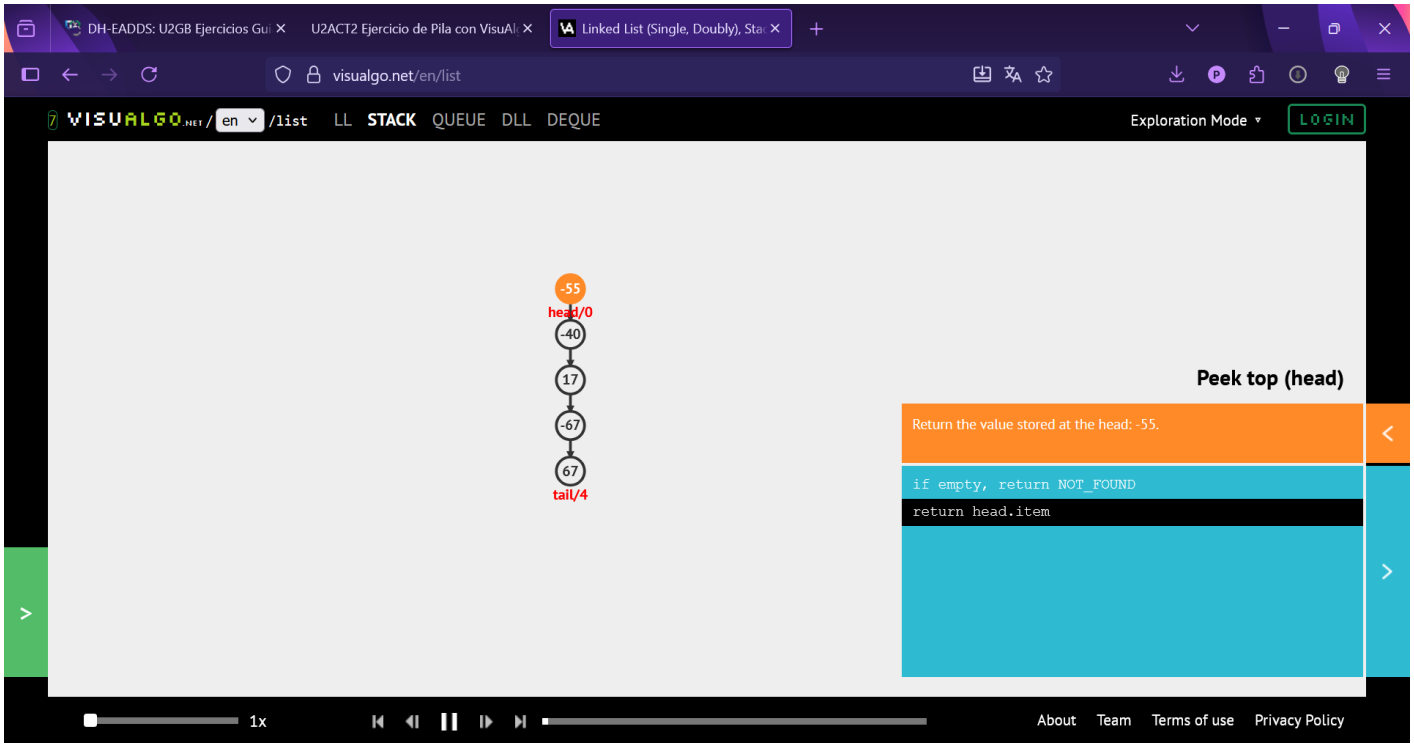
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U2ACT2 Ejercicio de Pila con VisuAl
Linked List (Single, Doubly), Sta
visualgo.net/en/list
VISUALGO.NET / en /list
LL STACK QUEUE DLL DEQUE
Exploration Mode
LOGIN
-55
head/0
-40
17
-67
67
tail/4
Peek top (head)
Return the value stored at the head: -55.
if empty, return NOT_FOUND
return head.item
1x
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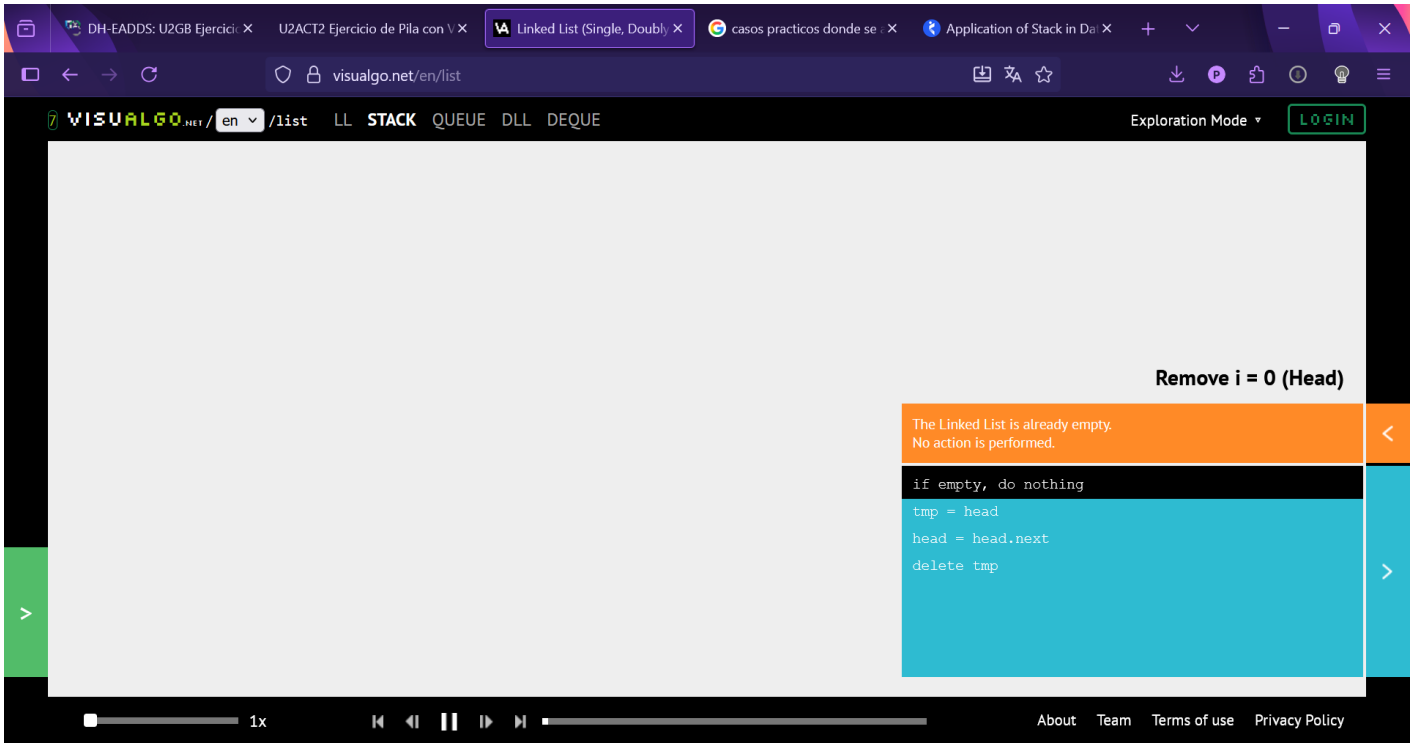
DH-EADDS: U2GB Ejercici
U2ACT2 Ejercicio de Pila con V
Linked List (Single, Doubly
casos practicos donde se
Application of Stack in Da
visualgo.net/en/list
VISUALGO.NET / en /list
LL STACK QUEUE DLL DEQUE
Exploration Mode
LOGIN
Remove i = 0 (Head)
The Linked List is already empty.
No action is performed.
if empty, do nothing
tmp = head
head = head.next
delete tmp
1x
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