Tester: Junyi Ma

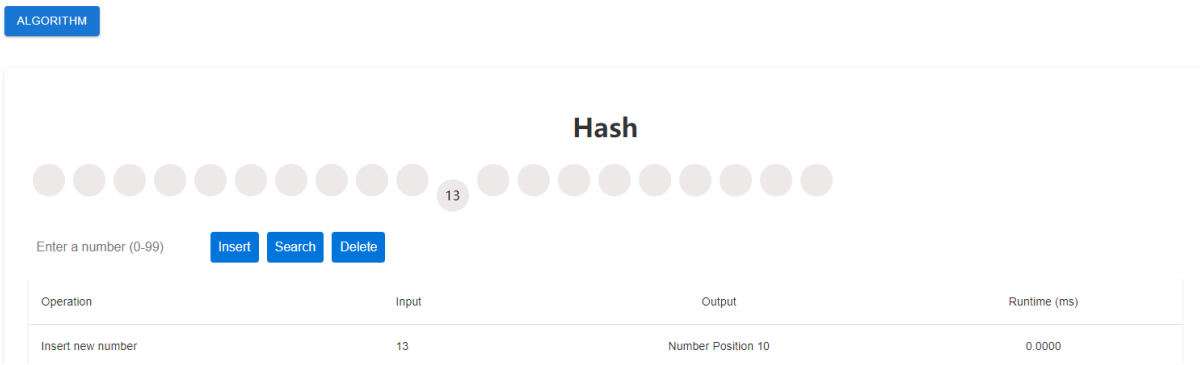
Algorithm: Hash

Input: 13

Bottom: Insert

Expect: position 10

Output:



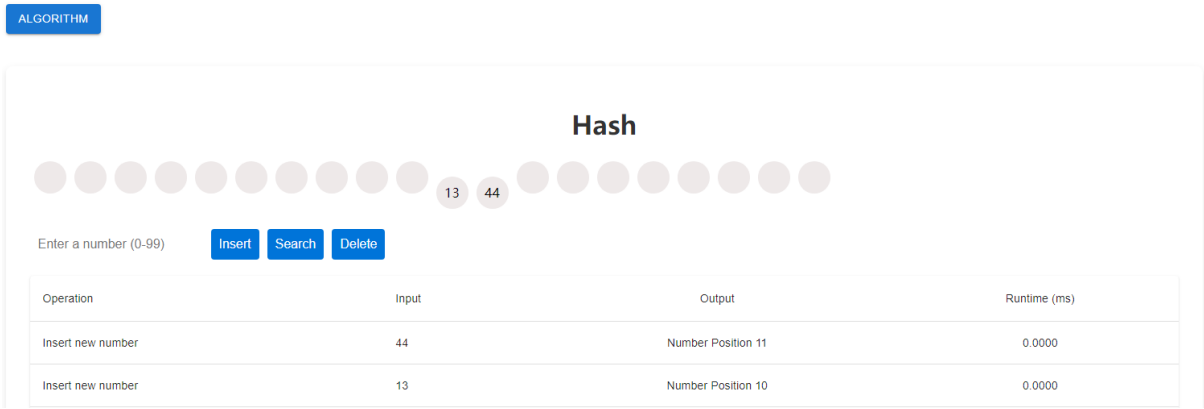
Algorithm: Hash

Input: 44

Bottom: Insert

Expect: position 10, conflict to position 11

Output:



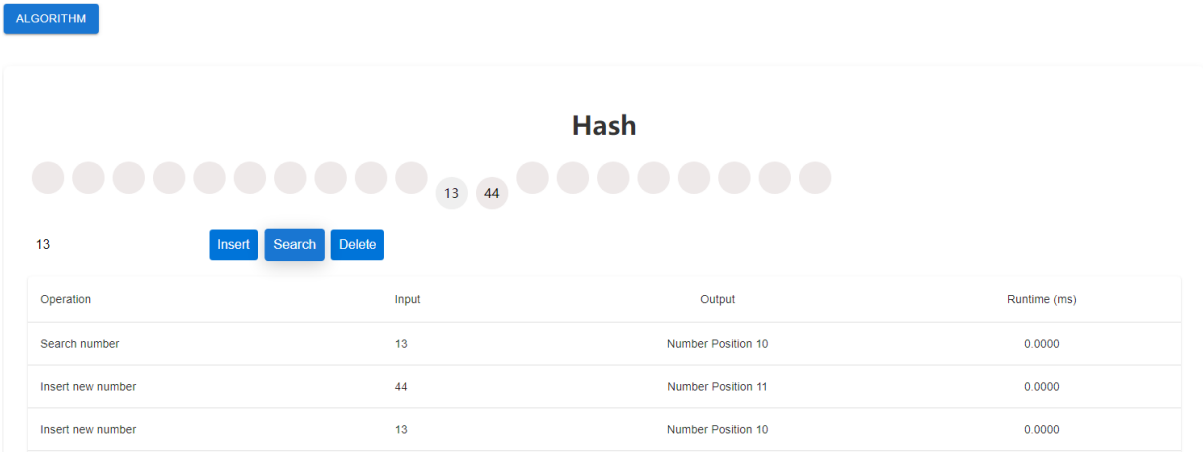
Algorithm: Hash

Input: 13

Bottom: Search

Expect: position 10, value found

Output:



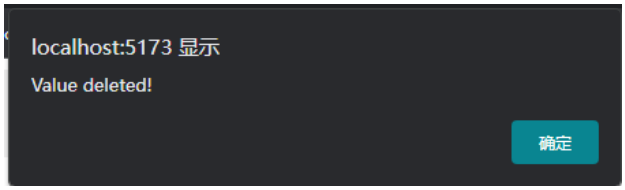
Algorithm: Hash

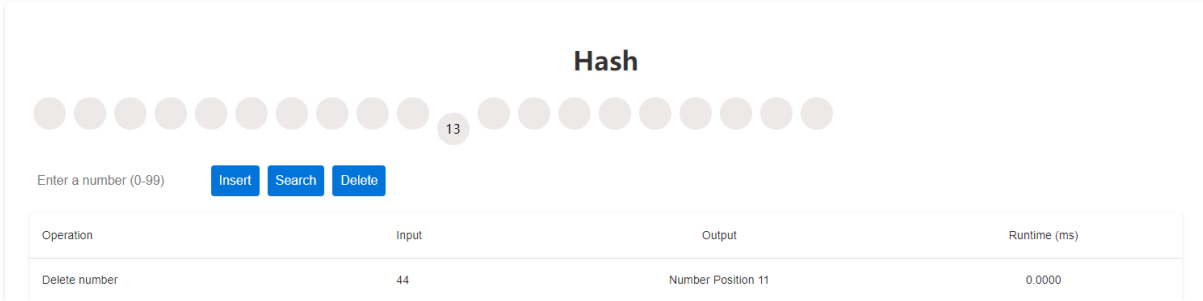
Input: 44

Bottom: Delete

Expect: position 11, value deleted!

Output:





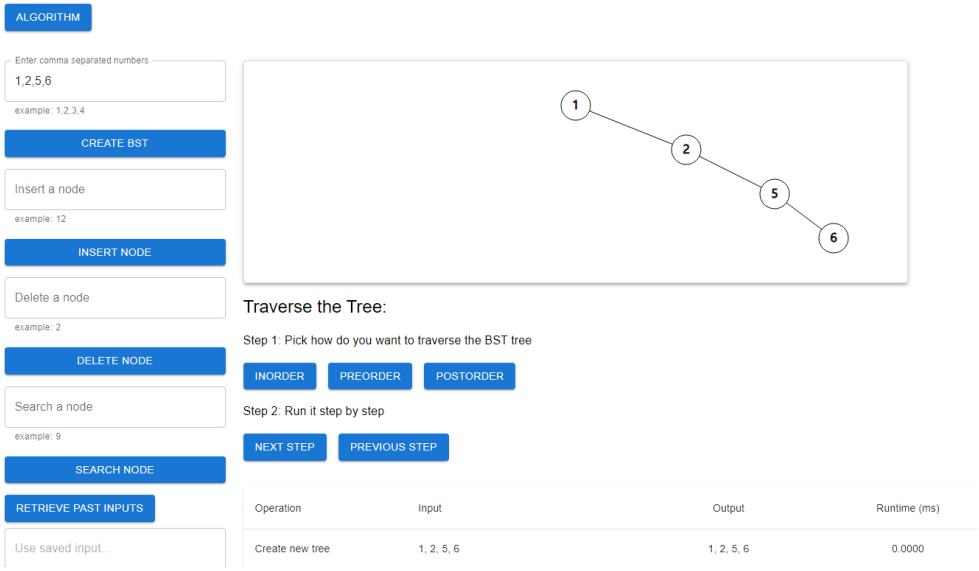
Algorithm: BST

Input: 1,2,5,6

Bottom: CREATE BST

Expect: create new tree with 1,2,5,6

Output:



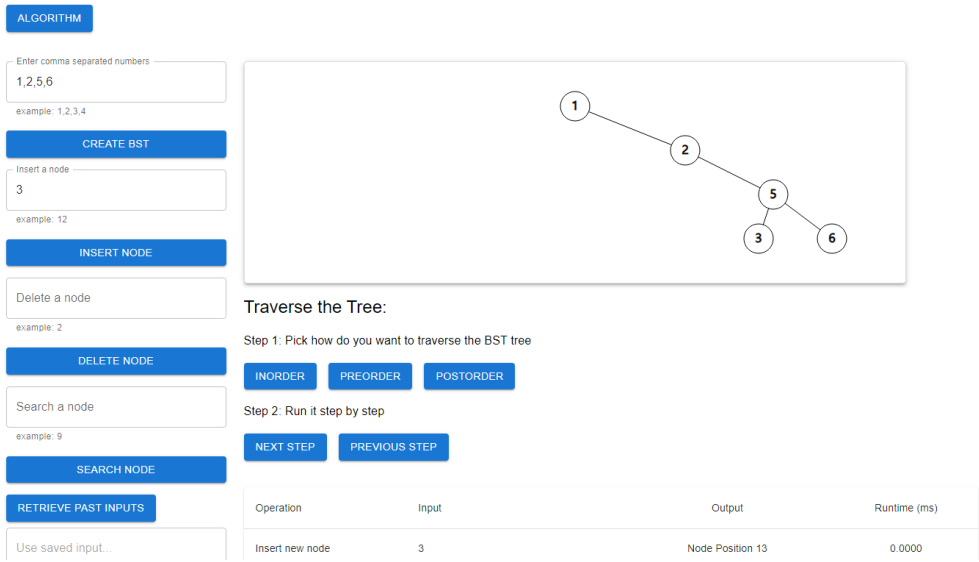
Algorithm: BST

Input: 3

Bottom: INSERT NODE

Expect: 3 will in the left of 5

Output:



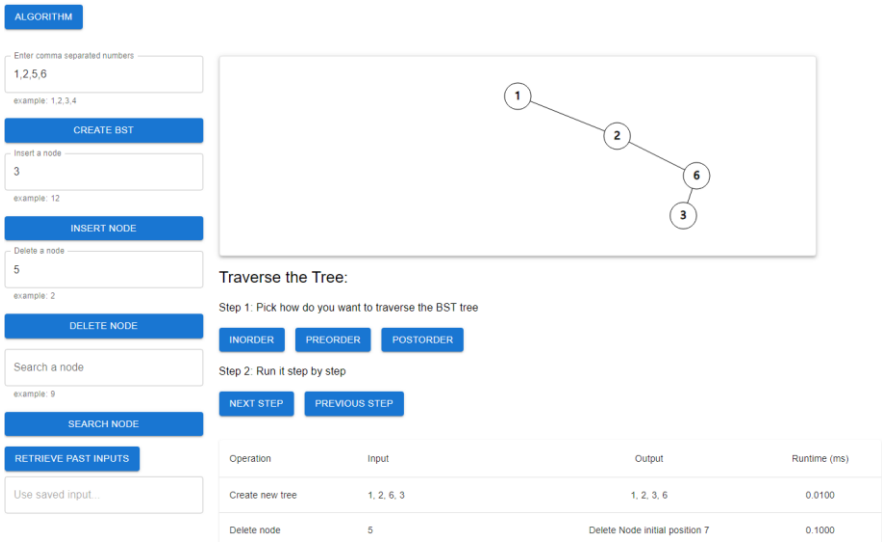
Algorithm: BST

Input: 5

Bottom: DELETE NODE

Expect: 5 will be removed from the tree

Output:



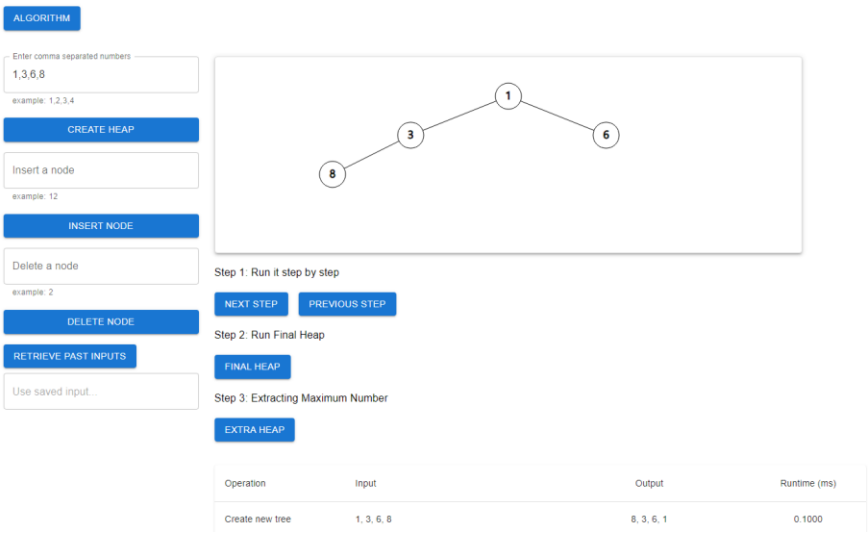
Algorithm: Heap

Input: 1,3,6,8

Bottom: CREATE HEAP

Expect: create new tree with 1,3,6,8

Output:



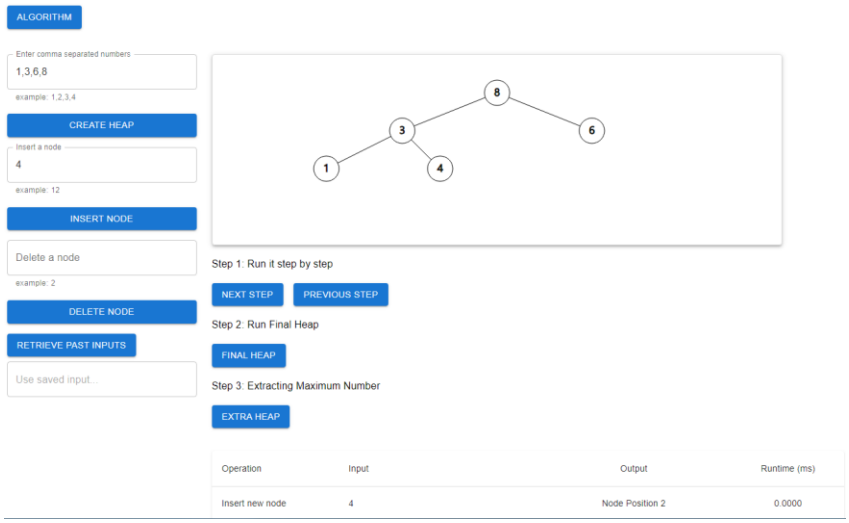
Algorithm: Heap

Input: 4

Bottom: INSERT NODE

Expect: 4 will be added into right of 3

Output:



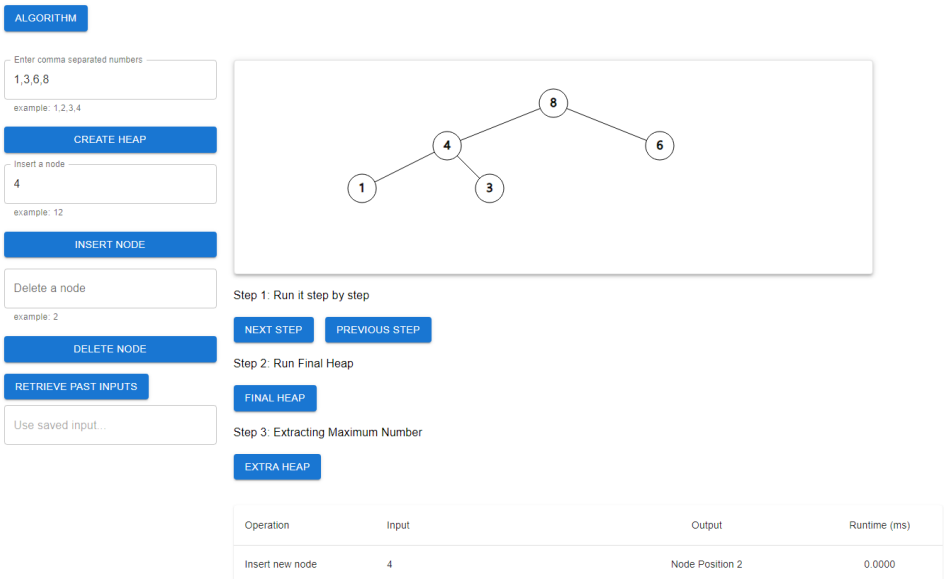
Algorithm: Heap

Input: NA

Bottom: NEXT STEP

Expect: 3 and 4 switch places

Output:



Algorithm: Dijkstra

Input: 1 3 5 8

1 0 3 0

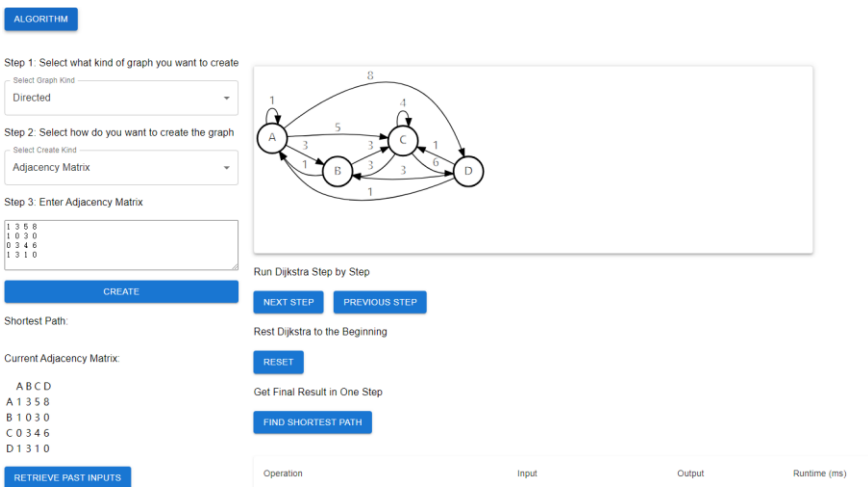
0 3 4 6

1 3 1 0

Bottom: CREATE

Expect: Graph created by this path

Output:



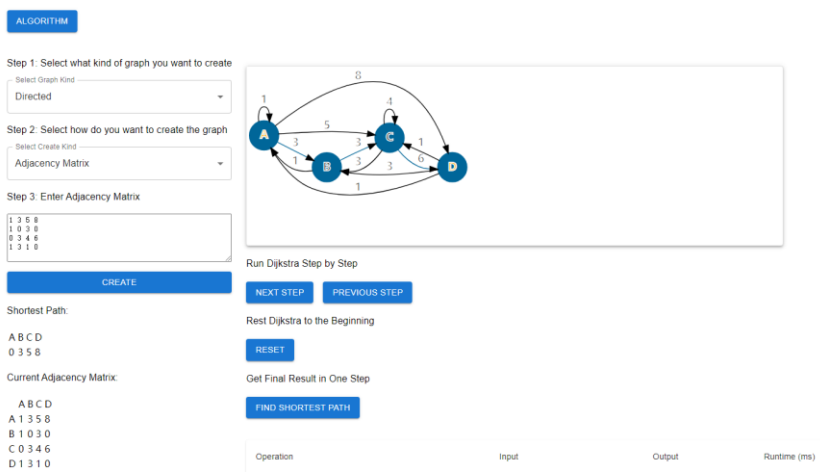
Algorithm: Dijkstra

Input: NA

Bottom: FIND SHORTEST PATH & NEXT STEP

Expect: Animation will lead to the shortest path for each node

Output:



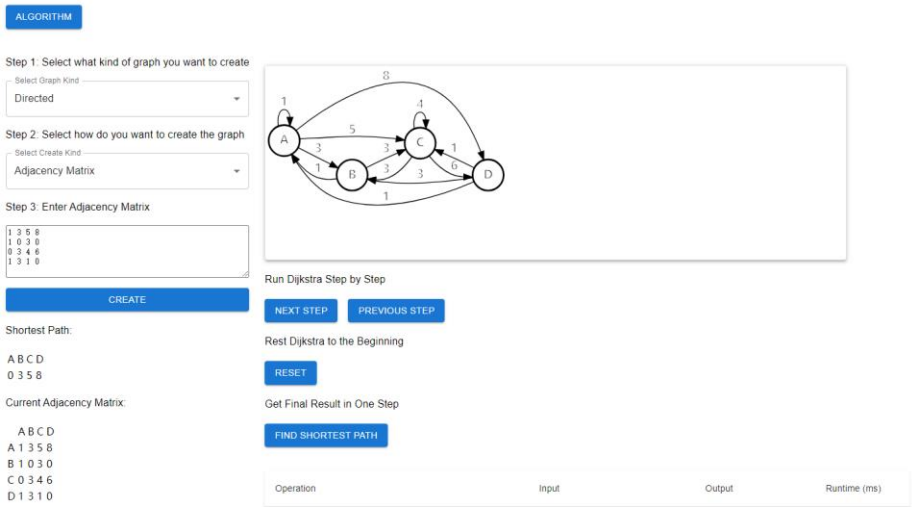
Algorithm: Dijkstra

Input: NA

Bottom: RESET

Expect: Color will be removed

Output:



Input: NA

Bottom: About

Expect: Show all the teammates' information

Output: