

Dry Run of Stack using Linked List (with Diagrams)

Step 1: *st = new Stack();*

Empty stack (top=null)

Stack: empty

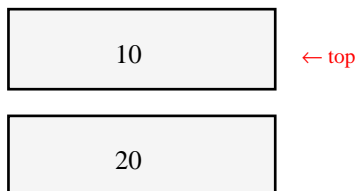
Step 2: *st.push(10);*

Push 10



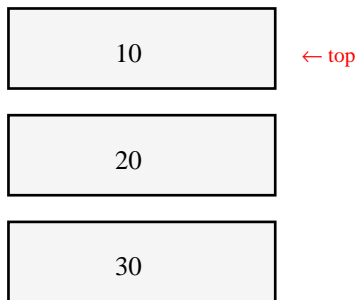
Step 3: *st.push(20);*

Push 20



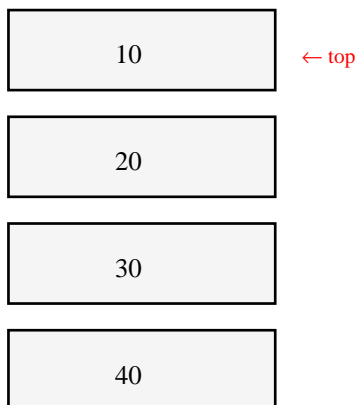
Step 4: *st.push(30);*

Push 30



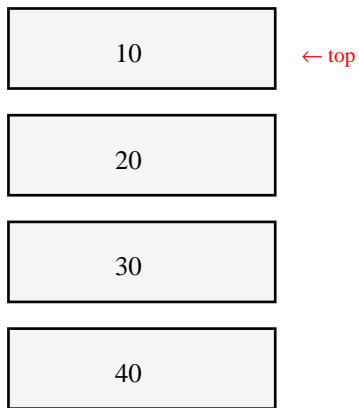
Step 5: *st.push(40);*

Push 40



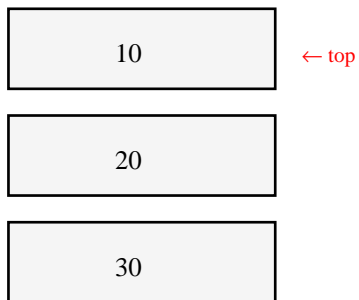
Step 6: *st.peek();*

Peek = 40



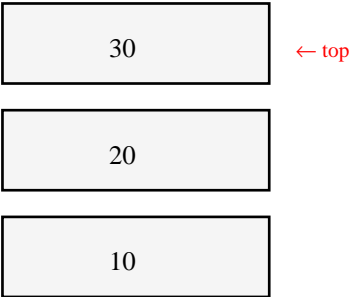
Step 7: *st.pop()*;

Pop removes 40



Step 8: *st.reverse()*;

Stack reversed



Final Memory State:

