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CS 271 Stack

1. See TemplateStack.cpp, TemplateClass.h
2. See TemplateStack.cpp, TemplateClass.h
3. See TemplateStack.cpp, TemplateClass.h
4. This is solved using the expand method, in TemplateStack.cpp.
   Because expand is called whenever the stack is full, it ensures that the stack is always large enough to accommodate inputs, even those beyond its size.
5. A single linked list.

   This is because push and pop can be implemented using a single linked list.
   Push would require adding a node into the link, and assigning that link to a null value.
   Pop would require that the last node is returned, and that node is assigned to a null value.

6. See Palintheses.cpp
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