User Id: weizhe.goh@digipen.edu Starte

DigiPen

Started: 2020.07.30 16:38:56

Assignment

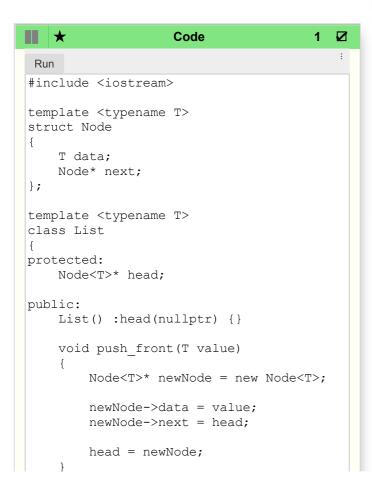
Score: 100%

Inheritance
© 2020, DigiPen Institute of Technology. All Rights Reserved

Rules Read carefully and check all rules you agree with: Your code must represent your own individual work. Cheating of any kind (copying someone else's work, allowing others to copy your work, collaborating, etc.) will not be tolerated and will be dealt with SEVERELY. Each exercise has description which must be strictly followed. All programs must pass all tests in the main function (when given) to get the final grade. You are not allowed to make any change in the main function in this case. Keep the code proper formatted (correct indentation, max line width is 40 characters).

- Every week the instructor is available **during the**lab time to discuss following matters:
 - your disagreement with rule in this card,
 - misunderstanding of the current assignment specs,
 - solution for given problems.

	79) · 7 · ·		
П	★ Specs		
Develop a new class Stack based on the one developed in the previous assignment.			
	New implementation must comply with new specs given below and specs given in the previous assignment. New specs are more important and override old specs.	3	
	The List class is the base class for the new Stack class.	<	
	The Stack class protectedly inherits the List clas members.	S	
	The List class has members that have common sense for the list container. For example, pop and push (which are common for stacks) cannot be members of the list.	d	
	Do not expose the Head in the List. (Keep it private! Remove all getters and setters for the Head if you have them added in the previous assignment.)		
	You implementation must produce the expected output by the given tests in the main function.		



Survey

 What is approximate number of hours you spent implementing this assignment?

Expected output is (without "): "1321Error"

2hours

 Indicate the specific portions of the assignment that gave you the most trouble

making list a declared identifier

```
};
template <typename T>
class Stack : public List<T>
public:
        void push(T value)
            List<T>::push_front(value);
        }
         T pop() noexcept (false)
             if (isEmpty() == true)
                 throw "Error";
             T deleteValue = 0;
             deleteValue
             = List<T>::head->data;
             Node<T>* deleteNode=nullptr;
             Node<T>* current
             = List<T>::head;
             deleteNode = current;
             List<T>::head=current->next;
             delete deleteNode;
             return deleteValue;
         bool isEmpty() noexcept
             if(List<T>::head != nullptr)
                return false;
             else
                return true;
} ;
int main() {
    Stack<int> s;
    std::cout << s.isEmpty();</pre>
    s.push(1);
    s.push(2);
    s.push(3);
    try {
         std::cout << s.pop();</pre>
         std::cout << s.pop();</pre>
        std::cout << s.pop();</pre>
        std::cout << s.pop();</pre>
     } catch(const char* msg) {
        std::cout << msg;
    return 0;
```

1321Error	

By signing this document you fully agree that all information provided therein is complete and true in all respects.

Responder sign:

Copyright © 2020 | Powered by MyTA | www.mytaonline.com