C:\Users\bilg\Documents\NetBeansProjects\stack_liste_1\main.cpp

```cpp
#include <cstdlib>
#include<exception>
#include<iostream>
using namespace std;

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class ElemanYok:public exception{
public:
    const char* what() const throw(){
        return "hata: stack bos";
    }
};

template <typename Nesne>
class Dugum{
    public:
    Nesne eleman;
    Dugum *ileri;
    Dugum(const Nesne& elm,Dugum *ilr=NULL){
        eleman=elm;
        ileri=ilr;
    }
};

template <typename Nesne>
class Stack{
    private:
        Dugum<Nesne> *head;
    public:
        Stack(){
            head=NULL;
        }
        bool isEmpty() const{
            return head == NULL;
        }
        void push(const Nesne& eleman){
            head = new Dugum<Nesne>(eleman,head);
        }
        void pop() throw(ElemanYok){
            if(isEmpty()) throw ElemanYok();
            Dugum<Nesne> *silinecek = head;
            head = head->ileri;
            delete silinecek;
        }
        const Nesne& top() const throw(ElemanYok){
            if(isEmpty()) throw ElemanYok();
            return head->eleman;
        }
```

```cpp
        void clear(){//clear
           while(!isEmpty())
           pop();
        }
        ~Stack(){
           clear();
        }
    };


    int main(int argc, char** argv) {

       Stack<string> *stack1 = new Stack<string>();
       stack1->push("eleman1");
       stack1->push("eleman2");
       stack1->push("eleman3");
       stack1->push("eleman4");
       //stack1->pop();
      // stack1->pop();
       while(!stack1->isEmpty()){
          cout<<"\n"<<stack1->top();
          stack1->pop();
       }

       delete stack1;

       return 0;
    }
```