```
#include <iostream>
#include <string>
using namespace std;
struct Node {
int data;
Node* next;
};
class Stack {
private:
Node* top;
public:
Stack(): top(nullptr) {}
void push(int value) {
Node* newNode = new Node{value, top};
```

```
top = newNode;
}
int pop() {
if (top) {
int value = top->data;
Node* temp = top;
top = top->next;
delete temp;
return value;
}
return 0;
}
bool isEmpty() {
return top == nullptr;
}
```

```
int evaluatePostfix(const string& postfix) {
Stack stack;
for (char ch : postfix) {
if (isdigit(ch)) {
stack.push(ch - '0');
} else {
int b = stack.pop();
int a = stack.pop();
switch (ch) {
case '+': stack.push(a + b); break;
case '-': stack.push(a - b); break;
case '*': stack.push(a * b); break;
case '/': stack.push(a / b); break;
}
```

**}**;

```
}
}
return stack.pop();
}
int main() {
string postfix;
cout << "Enter postfix expression: ";
cin >> postfix;
cout << "Result: " << evaluatePostfix(postfix) << endl;</pre>
return 0;
}
```