Main.cpp

3zryqxg8y

NEW

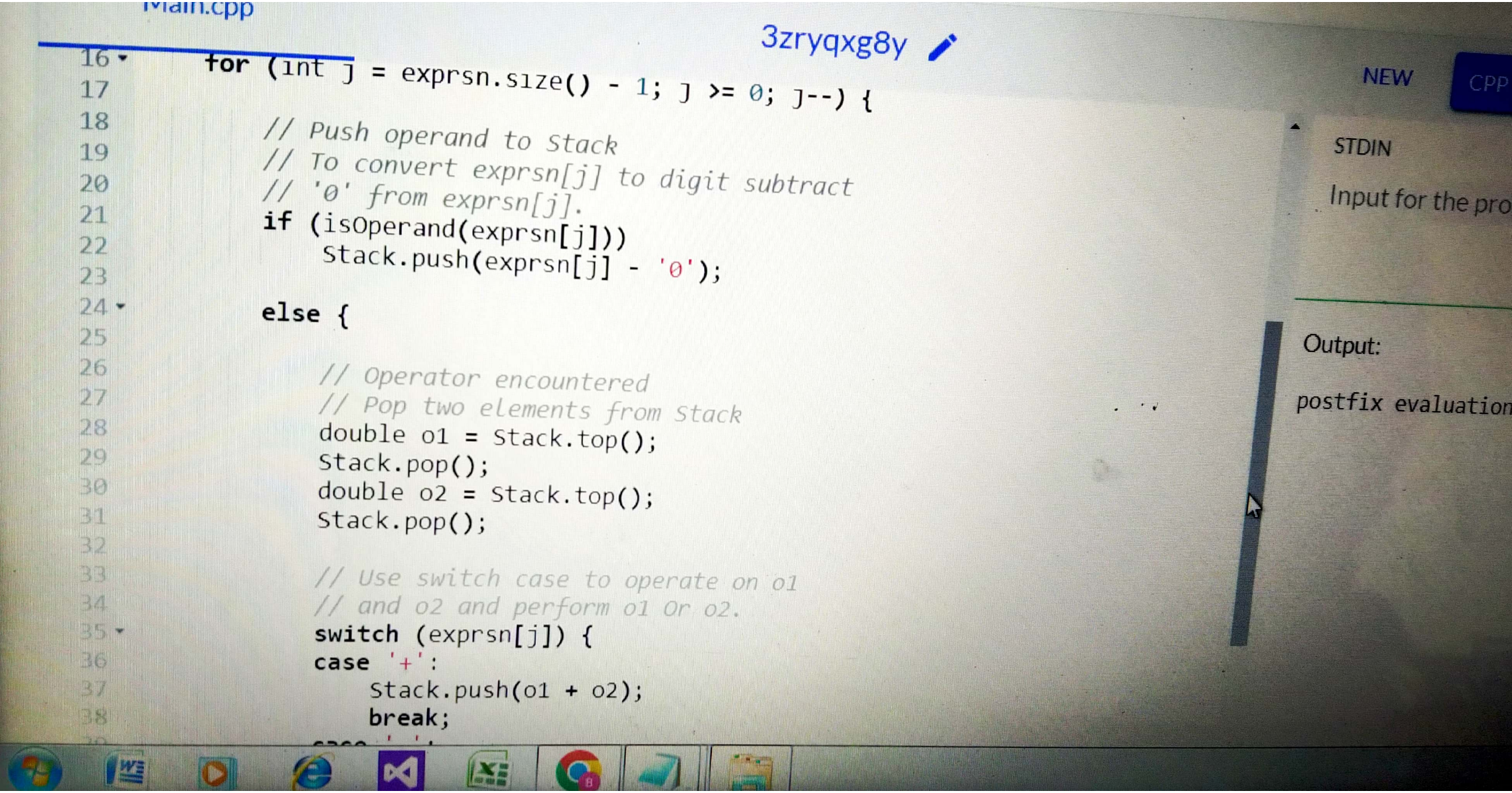
```cpp
// C++ program to evaluate a prefix expression.
#include <bits/stdc++.h>
using namespace std;

bool isOperand(char c)
{
    // If the character is a digit then it must
    // be an operand
    return isdigit(c);
}

double evaluatePrefix(string exprsn)
{
    stack<double> Stack;

    for (int j = exprsn.size() - 1; j >= 0; j--) {

        // Push operand to Stack
        // To convert exprsn[j] to digit subtract
        // '0' from exprsn[j].
        if (isOperand(exprsn[j]))
            Stack.push(exprsn[j] - '0');
```

STDIN

Input for the p

Output:

postfix evaluati



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NEW CPP

```
35                switch (exprsn[j]) {
36                case '+':
37                    Stack.push(o1 + o2);
38                    break;
39                case '-':
40                    Stack.push(o1 - o2);
41                    break;
42                case '*':
43                    Stack.push(o1 * o2);
44                    break;
45                case '/':
46                    Stack.push(o1 / o2);
47                    break;
48                }
49            }
50        }
51
52        return Stack.top();
53    }
54
55    // Driver code
56    int main()
57    {
```

STDIN

Input for the program

Output:

postfix evaluation: 4