	Remark
Subject: Competitive Programming Lab (BTCOL606) **Name :** Mohammad Anas Aarif Baig Mirza **Roll No. :** 31 **Class : T.Y Comp** **Batch : T2** **Division: T** **Expt. No. :** 10 **Date :** **Title : Problem 10: Write a Program to implement A multiplication Problem.**	Signature

Code:

```
// MOHAMMAD_ANAS_31_TY_COMP

#include <iostream>
using namespace std;

int main() {
    long long n;
    while (cin >> n) {
        long long p = 1;
        bool stanTurn = true; // true: Stan's turn, false: Ollie's turn

        while (p < n) {
            // Multiply p by 9 on Stan's turn, by 2 on Ollie's turn
            p *= (stanTurn ? 9 : 2);
            stanTurn = !stanTurn; // switch turn
        }

        if (!stanTurn)
            cout << "Stan wins." << endl;
        else
```
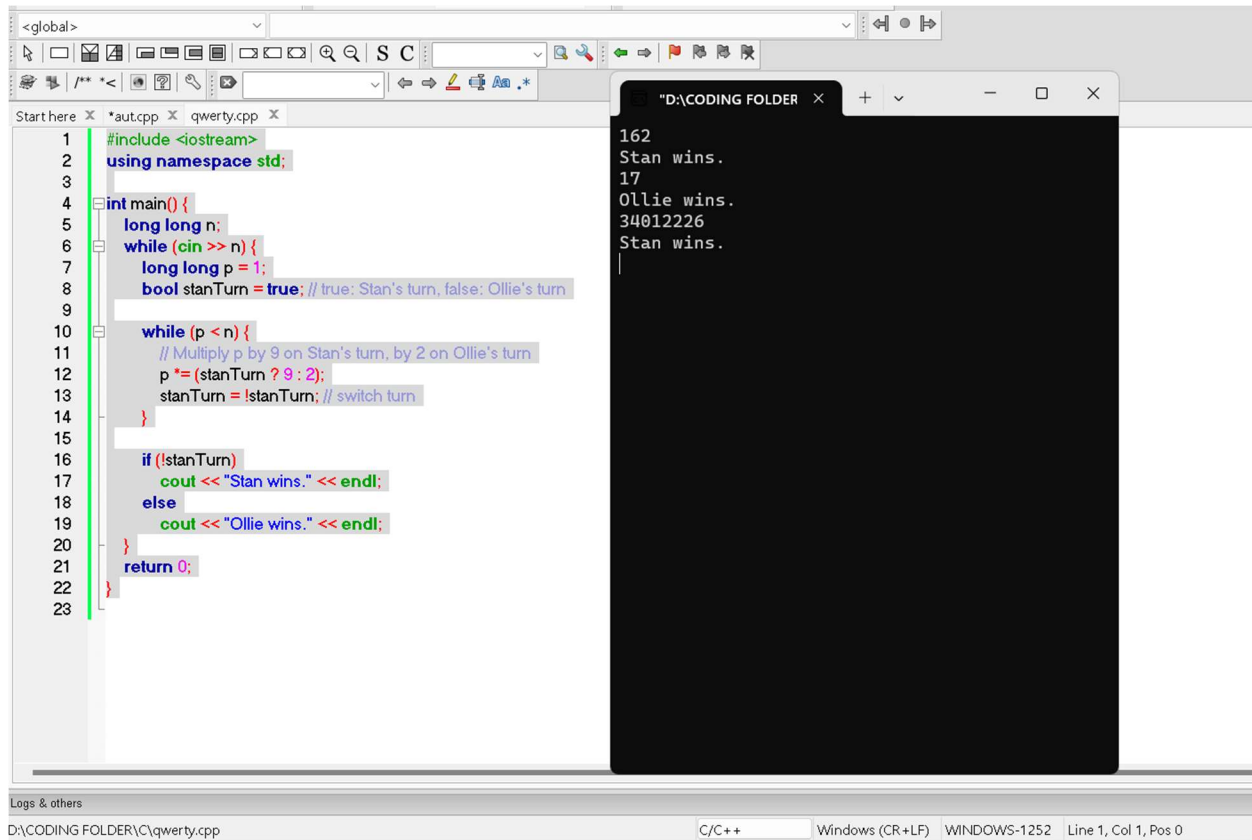
```
            cout << "Ollie wins." << endl;
    }
    return 0;
}
```

Output: