**Program:**

#include <iostream>

using namespace std;

int main()

{

int n;

unsigned long long factorial = 1;

cout << "Enter a positive integer: ";

cin >> n;

if (n < 0)

cout << "Error! Factorial of a negative number doesn't exist.";

else {

for(int i = 1; i <=n; ++i) {

factorial \*= i;

}

cout << "Factorial of " << n << " = " << factorial;

}

return 0;

}

**Output:**

Enter a positive integer: 12

Factorial of 12 = 479001600