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TASK 1
#include <iostream>
using namespace std;
int factorial(int n) {
    if (n <= 1)
        return 1;
    return n * factorial(n - 1);
}
int main() {
    int n;
    cin >> n;
    cout << factorial(n) << endl;</pre>
    return 0;
}
TASK 2
#include <iostream>
using namespace std;
int fibonacci(int n) {
    if (n <= 1)
        return n;
    return fibonacci(n - 1) + fibonacci(n - 2);
}
int main() {
    int n;
    cin >> n;
    cout << fibonacci(n) << endl;</pre>
    return 0;
}
TASK 3
#include <iostream>
using namespace std;
string reverseString(string str) {
    if (str.empty())
        return "";
    return reverseString(str.substr(1)) + str[0];
}
int main() {
    string input;
```

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cin >> input;
    cout << reverseString(input) << endl;</pre>
    return 0;
}
TASK 4
#include <iostream>
#include <vector>
#include <algorithm>
using namespace std;
int main() {
    vector<int> arr;
    int x;
    cout << "Enter array elements (end with non-integer): ";</pre>
    while (cin >> x) {
       arr.push back(x);
    }
    cin.clear();
    cin.ignore();
    int target;
    cout << "Find frequency of: ";</pre>
    cin >> target;
    int countX = count(arr.begin(), arr.end(), target);
    int minVal = *min element(arr.begin(), arr.end());
    int maxVal = *max_element(arr.begin(), arr.end());
    cout << "Count of " << target << ": " << countX << endl;</pre>
    cout << "Min: " << minVal << endl;</pre>
    cout << "Max: " << maxVal << endl;</pre>
    return 0;
}
TASK 5
#include <iostream>
using namespace std;
int power(int a, int b) {
    if (b == 0)
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return 1;
return a * power(a, b - 1);
}
int main() {
   int a, b;
   cin >> a >> b;
   cout << power(a, b) << endl;
   return 0;
}</pre>
```